

Saving and Renewing Schindler's Ark



“We are saving Schindler’s Ark a key heritage site in the heart of Europe, creating a sustainable community with a museum of survivors, a workshop for textiles and local businesses, and 50 prototype housing units.”



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SAVING AND RENEWING SCHINDLER'S ARK

	Partners	Country
1	Arks Foundation	Czech Republic
2	Mikroregion Brnenec, Local Mayor's Network	Czech Republic
3	Meeting Brno	Czech Republic
4	Zachor Foundation for Social Remembrance	Hungary
5	Re-FACT partners for recovery of industrial heritage (Brno, ENSA de Nancy, Saarbrücken, Sevilla, Florence, architecture departments)	Czech Republic, France, Germany, Italy, Spain
6	University of Borås, Smart Textiles, Science Park	Sweden
7	Textile Museum of Sweden	Sweden
8	Ekotextil, Secondary School of Art and Design, Brno	Czech Republic
9	Norway National Museum	Norway
10	Grassi Museum, Leipzig	Germany
11	Fondazione Pistoletto, Biella	Italy

1. Executive Summary

The overall objective is to save Schindler's Ark and create a sustainable community with a museum of survivors, a workshop for new Bauhaus textiles, and 50 prototype housing units in the heart of Europe.

Schindler's Ark is where 1200 Jews on Schindler's List were saved, as shown in the film by Stephen Spielberg. Schindler's Ark formed part of what was the second largest wool factory in Europe, owned by the Low-Beers since 1854. In 1938 they fled the Nazis. The Low-Beer family bought back the ruined factory in 2018 and in partnership with the local community formed the Arks Foundation. They co-designed the project for a museum, textile laboratory and a sustainable community.

Sustainability is at the heart of the project due to the synergy of the three objectives – 1. A leading museum which convenes people and provides a digital hub for lifelong learning 2. A huge and beautiful workshop to make new Bauhaus textiles to improve the thermal, light, touch and sound quality of housing, and 3. Transformation of a historic and neglected place into a sustainable community with prototype housing to meet local needs.

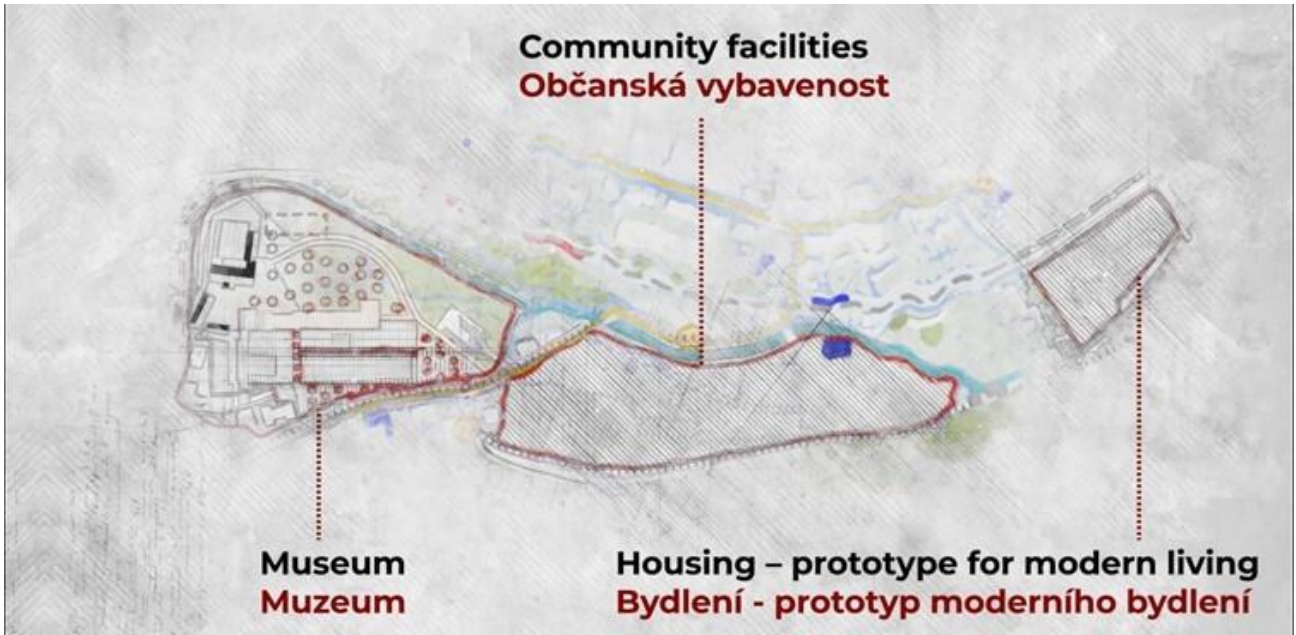
Together, these activities will fulfil the New European Bauhaus principles, transforming one of the largest, and most well-known, textile factories in Europe into a sustainable community, beautiful in renewing Czech Bauhaus architecture and textiles, and together in combining locals and thousands of European-wide visitors, young and old in all components.

The unique, brownfield site is in the centre of Europe, on the major train line to Brno (40 minutes), Prague (2 hours), Vienna (2 hours), Dresden, accessible from Czech Republic, Slovakia, Austria, Germany and Hungary, yet provides a rural, new Bauhaus space. Brnenec is also on one of the historically important routes, connecting Western Europe to the Baltic States and to the Balkans, used since prehistoric times. When Europe and Czechoslovakia were split in two in 1938, the frontier went down the stream in the factory.

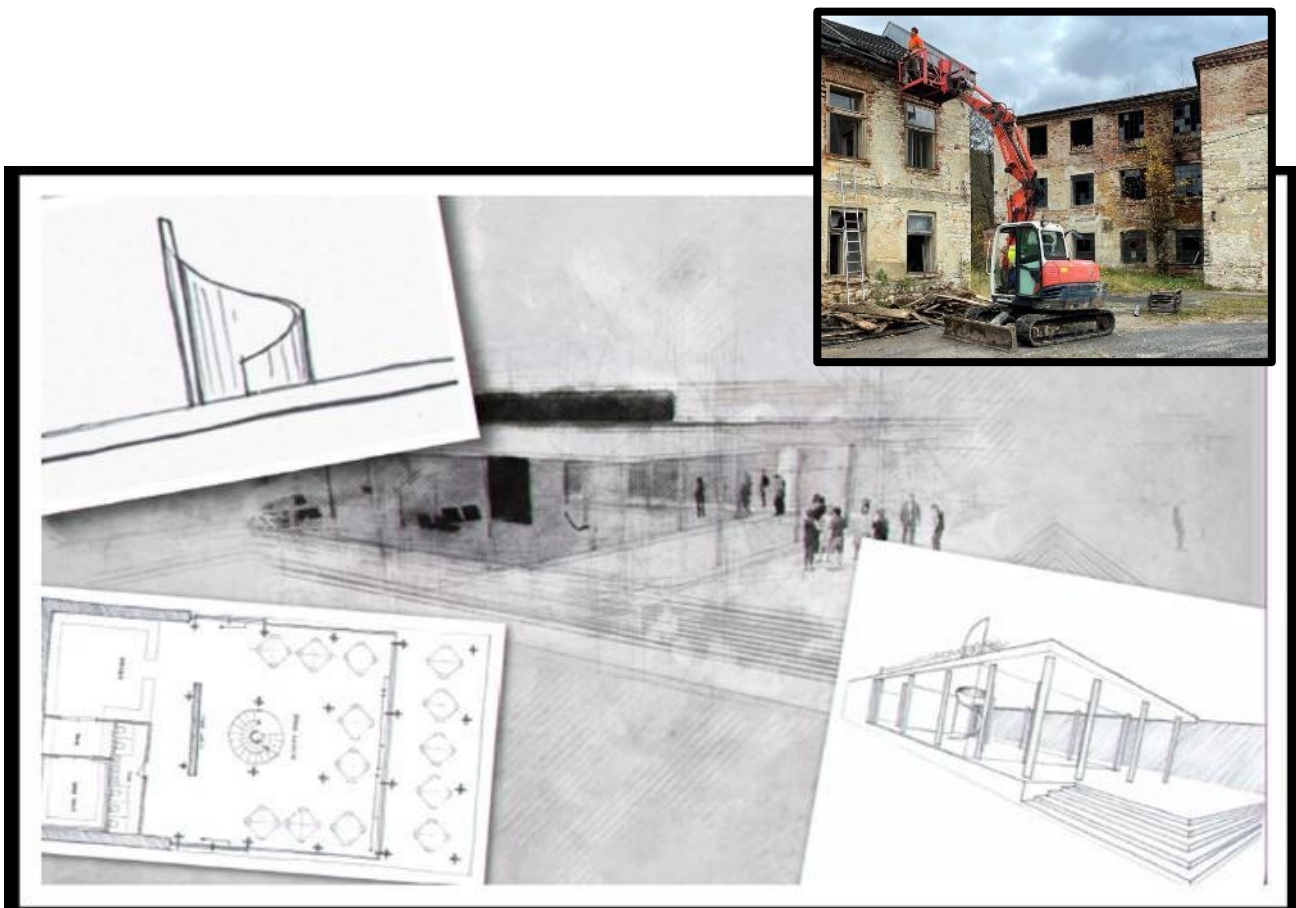
Objective 1 – Saving Schindler's Ark into a Museum of Survivors and lifelong learning centre.

This objective leverages the infrastructure plans for a new museum building, to equip it as a life-long learning and digital hub for the community. It develops the digital media and testimony activities to convene schoolchildren locally and from other European countries, preparing for the expected 100-200,000 visitors per year for the Schindler's Ark Museum. The main outputs would be:

1. **Save Schindler's Ark buildings and new digital media facilities equipped for the museum.** The urgent work to secure the buildings from collapse which form a key part of European heritage would be completed. The first museum building would then be launched with digital media and interactive testimony exhibition



The integration of the Museum, community facilities including a textile laboratory, and housing based on the village needs, provides sustainability economically and environmentally



Design of the Glass Pavilion Exhibition and life-long learning Activities building, and the urgent work needed now to Save Schindler's Ark historic buildings (inset)

facilities. The contents are based on a partnership with the Shoah Foundation which has 50,000 hours of testimonies of Schindler Jews and genocide. The activity generates the new digital media facilities and interactive testimonies for the museum.

The exhibition “Starting from Zero” on the influence of survivors, the Schindler Jews and Bauhaus masters in textiles, ceramics and architecture, would be held. This would leverage the Foundation’s unique materials on Anni Albers, Lucie Rie, and new materials generated on Otti Berger. It would include material on the two Bauhaus textile innovators Anni Albers (in collaboration with the Anni Albers Foundation) and Otti Berger. One survived and shaped modern weaving, the other, equally talented, was murdered in Auschwitz. The work would support the renewal of their legacy with the influence of textiles in New Bauhaus building. The contents show the experience of survivors in shaping our world, and the renewal of the Bauhaus, whose finest house was built in Brno, Czech Republic.

2. **Lifelong learning and testimony activities developed with local community guides.** Six testimony activities with place-based learning and available online with digitisation of the buildings and collection would be implemented. The first activity was successfully piloted with our partners, Meeting Brno, Zachor and Shoah Foundations, in October 2021 convening Czech and German schoolchildren. This involved six months of local training and knowledge transfer. New multimedia film and display facilities would be installed, including digitised buildings and interactive testimonies, where the viewer can ask questions, and become involved in the unique place, on site or remotely. In addition, learning activities on New Bauhaus textiles would be developed, available on site and online throughout Europe. This would provide the village with a permanent lifelong learning centre and digital hub with trained local guides.

Objective 2 – New Bauhaus workshop and textiles created to contribute to sustainable housing.

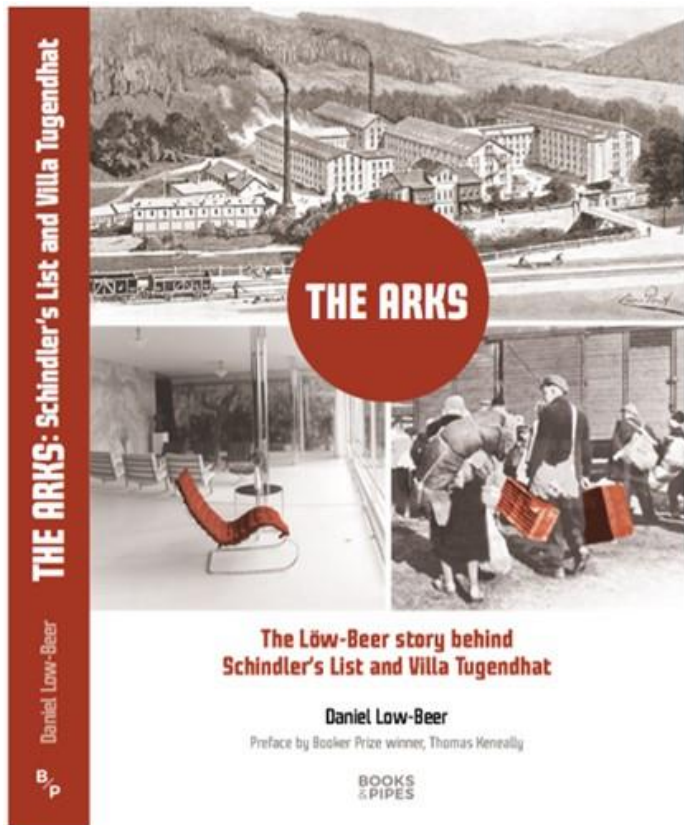
This objective is to refurbish the huge and beautiful textile workshop, whose open, planned, columned, and naturally lit architecture influenced the original Bauhaus buildings. New Bauhaus textiles will be developed based on the expert skills and one-hundred-and-fifty-year textile tradition in the village and region for sustainable housing. The main outputs would be

1. **New Bauhaus Workshop refurbished for textile laboratory and local business activities.** The huge textile workshop would be restored with the first machines to create a textile laboratory for sustainable homes. The workshop would be equipped with three initial components. 1. First wood making machines to partner with a local factory to support furniture and housing prototypes using wool, wood and nanotechnology. 2. Secondly, partnership on wind and solar powered home heating, using a local prototype with a wind power element. 3. Finally, the first textile machines would be installed, recent versions and a historic machine from the 1930s, to continue the textile tradition started in 1854. This would provide a textile laboratory to teach, convene and develop new Bauhaus textiles for sustainable housing. Textiles would also be built into the materiality of the museum – which modulate the heat, light, touch, and sound of a building. It would be open to the village as a hub for local business activities, including partners with textile, woodwork, film and research into new medical and nanotechnology textiles.
2. **New Bauhaus textiles developed for the sustainable home.** In partnership with Brno Ekotextil, Kubak, and Smart Textiles, Sweden, the site would be used to convene partners from Europe on the role of textiles in the new, sustainable home. There would be an annual meeting in Brno and Brnenec, organised with Meeting Brno and Brno Textile and Architecture departments, supported by Re-FACT from five European countries. Firstly, original Bauhaus textiles would be produced from Anni Albers, Lilly Reich and Otti Berger with the support of Sweden Smart Textiles and Textile Museum. These would furnish the museum and refit the Tugendhat Villa (the finest house of the Bauhaus period in Brno).

Secondly, new prototype textiles would be produced for the museum and housing, 1. A wood and wool building block with an innovative membrane, using Czech wool for heat and sound insulation, 2. A window unit with sealed textiles to manage light, sound and heat transfer responding digitally to changes in the environment, and 3. A two-sided wall textile, with one side to diffuse light and the other absorb sound and pollution in a room. These have been commissioned for 40 housing units by the local mayors, so the buildings are co-designed, co-financed and co-built within the community. The technology would be produced for and within the local region, with guidance from five architecture schools across Europe. Finally, a new Bauhaus version of the Brno chair would be developed with sustainable wood and wool, so people can see and experience the aesthetics of the contribution of textiles.



The Tugendhat Home, Brno, linking the inside to the outside with glass and textiles, designed by Mies van der Rohe and Lilly Reich (the directors of architecture and textiles at the Bauhaus)

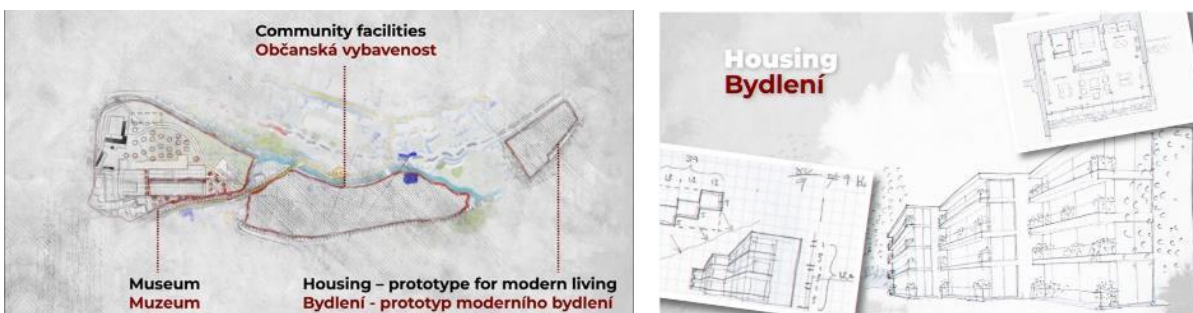


The book the Arks on the Low-Beer story behind Schindler's List and Villa Tugendhat, and the uncovering of the first stone of the new building

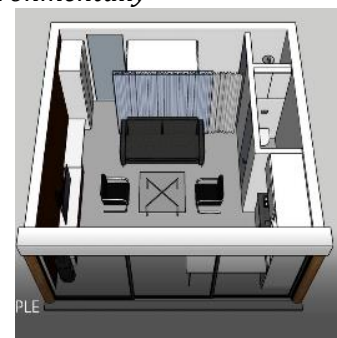
Objective 3 – Prototype housing for modern living for the local community. Prototype housing will be designed and built to meet village and local region needs. The extensive site is well situated, on the major train line to Brno (40 minutes), Prague and Vienna, yet provides a unique setting, history, and rural new Bauhaus space. This activity will design 50 housing units and produce the first modular version, co-designed and built with the local mayors, community, and in partnership with 5 architecture departments from France, Spain, Italy, Germany and Brno.

The main outputs would be

1. **Develop Prototype Housing units combining textiles and sustainable architecture.** The original Tugendhat Villa in Brno designed by Mies van der Rohe and Lilly Reich (directors of architecture and textiles at the Bauhaus) provides the Moravian, modernist model for the work. Design is underway to develop 100m², 50m², and 25m² modules based on this home that are a prototype for modern, sustainable living. They use innovative textiles to manage light, heat, tactile and sound transfer in the insulation, building blocks, internal textiles, and two-sided covering of the large window. As described in our approach, textiles link a home in a tactile way to the human body and to nature, as was the case for the original use of Bauhaus textiles (“Architecture and Textiles in the New European Bauhaus” Low-Beer D, www.arksfoundation.net). Textiles provide a soft counterpart to harder, sealed, architecture, with environmental and experiential qualities. The plan for a sustainable community of 50 housing units will be completed, co-designed with the local community and mayors (represented on our board and providing co-finance to support sustainability), and with the ongoing guidance of Re-FACT from five European countries. Each year, the community movement Meeting Brno will convene experts and communities on the theme of Textiles and the New Bauhaus Home.
2. **Implementation of 10 housing units on the site and 40 units in the neighbouring villages.** The project will be catalytic in designing the regeneration of the valley for investment over 5-10 years. However, in the first two years, demonstration housing units will be built on the site, to tackle the urgent housing shortage of the surrounding villages. The aim of the housing is to provide a sustainable community in Brnenec, to realise the unfinished aim of the Bauhaus building in Brno, as a prototype for modern living (responding to the 21st century environmental challenge). The modular units, connected to nature with large windows and textiles to manage heat, light, and air quality, open living, and energy neutral, will be marketed for Europe. They will have a new solar and wind energy unit, and new methods to use wool for water capture, retention and transfer with the environment. Each unit will also have a redesigned “Brno chair” in wood and textiles to mark the transition and experience to the New European Bauhaus. This new European Bauhaus Chair will be displayed and available commercially, and in partnership with the Brno Museum, in the site the original version in chrome was designed for.



The integration of the Museum, community facilities including a textile laboratory, and sustainable housing based on the village needs, provides sustainability economically and environmentally



The co-design process with community from Brnenec and Brno organised with Meeting Brno (left), and with Re-FACT architects from five European countries on textiles and the first prototype housing unit (right)

Objective	Activity	Q1	Q2	Q3	Q4	Q5	Q6	Q7	Q8
1	Save Schindler's Ark	1.1	Digital Media Museum Contents	Save and Secure Schindler Ark Buildings	Digitise old and new buildings	New, interactive testimonies (Survivors, 2 nd and 3 rd generation, Thomas Keneally)	Bauhaus Textile digital archive (new Otta Berger material)	Exhibition "Starting from Zero" in Brno, Brussels, Zurich and permanently in Brnenec	<u>Lifelong Community Learning Centre with Digital Hub opened</u>
		1.2	Learning Activities with local guides		6 place-based testimony activities completed		Activities, digitised, made interactive and virtual with new media	Activities piloted with schools from Czech, Slovakia, Austria, Germany	<u>Permanent activities, knowledge transfer to local guides in new building</u>
2	New Bauhaus textile workshop	2.1	New Bauhaus Workshop	Save and Secure Workshop Building	Architectural study on materials and renovation approach	First textile activities and machines included	Renovate building for first workshop	Install textile machines and transfer local woodwork and film activities	<u>Open new Bauhaus Workshop for textiles and for local business activities</u>
		2.2	Textiles for sustainable homes		Convene textile and architects from Europe with Meeting Brno and Re-FACT	Make and Install original Bauhaus textiles in Tugendhat Home	Release new Bauhaus textiles - wool and wood building insulation block	Convene textile and architects with Meeting Brno and Re-FACT	<u>Release textiles for window unit, Brno chair, and to manage heat, light, sound, and touch</u>
		2.3	R&D in medical and nano textiles	This is a parallel project but will contribute structural textiles and coatings to the new Bauhaus textiles, chair and building units. It will also develop research to implement nano textiles, for which Czech Republic and the region is a world leader					
3	Prototype sustainable housing	3.1	Design Prototyppe Housing Units		Combine textiles and architecture in initial design for prototype housing		Co-design complete with community, Re-FACT, Brno Uni	Complete design for 100m2, 50m2, and 25m2 modular house units	<u>Iterate and finalise design in first units. Make units and market widely</u>
		3.2	Implement 50 housing units in local villages		Co-design and finalise the units with local mayors and community		Build first 10 units in villages to tackle housing crisis	Complete co-design plan for sustainable Brnenec village	<u>Implement additional 40 units in villages and on Brnenec site</u>

Deliverables reported in the project and highlighted in bold in the table and text

Objective			Activity	Deliverable	Cost
1.	Save Schindler's Ark	1.1	Save Schindler's Ark buildings and new digital Media Museum learning centre	1. Secure Schindler's Ark 2. Digitise Buildings and controls 3. New Testimony Materials 4. New Digital Textile Archive 5. Exhibition «Starting from Zero» 6. Permanent exhibition testimonies and textiles 7. Build Museum Lifelong learning building (50% co-funding)	110,000 38,000 83,000 92,000 129,000 180,000 800,000
		1.2	Lifelong learning activities installed with local guides	1. Piloting activities with Teachers and Students 2. School curriculum development 3. Interactive testimonies 4. Installation of testimony wall 5. Digitisation and online exhibition 6. Digital hub and data servers	18,000 43,000 18,000 16,000 26,000 45,000
2.	New Bauhaus textile workshop	2.1	New Bauhaus Workshop renovated for textiles and local businesses	1. Save Textile Workshop building 2. New Bauhaus Textile workshop 3. New local business workshop	93,000 191,000 138,000
		2.2	New Textiles and research for sustainable homes	1. Prototype, test and produce New Bauhaus textiles a. Tugendhat Villa b. Wood and wool building block with textile membrane c. Textile window unit and Brno Chair 2. Marketing New Bauhaus textiles 3. Convene textile experts and architects from 5 countries yearly	150,000 30,000 88,000
		2.3	R&D in medical and nano textiles	separate funding, include nano textiles in chair and textile covers	
3.	Prototype sustainable housing	3.1	Design Prototype Housing Units combining textiles and sustainable architecture	1. Produce and test prototype housing including community co-design 2. Build prototype sustainable homes on the site – 10 units on site, and 40 units in local villages with co-financing from local mayors	140,000 750,000
		3.2	Management, monitoring, communication and Human Resources	1. Monitoring and Impact Evaluation – market, participant and community surveys, report 2. European travel – 20 trips 3. Arks Team and in technical areas 4. Community engagement 5. Museum and testimonies	75,000 32,000 310,800 160,800 80,400
				(Does not include indirect costs)	TOTAL 3,837,000

Summary of budget by objective (further detail in the document, section 3.6)



Room divider by Anni Albers to be produced in Brnec for the Arks and Six Prayers

1.2 Approach and Partners

Background and Co-design

The unique site was one of the largest wool textile factories in Europe formed in 1854. The finest house of the Bauhaus period was also built for the Tugendhat and Low-Beer families in Brno, by the Bauhaus Director of Architecture, Mies van der Rohe, and of textiles, Lilly Reich. People have not fully recognised the importance of textiles as part of architecture in this building. Daniela Tugendhat shows how the house was designed and lived in as a home, including the role of textiles (Daniela Tugendhat “The Tugendhat House” for the best book on the house).

The factory was stolen by the Nazis in 1938, and by Oskar Schindler, who built a unique concentration camp which saved 1200 Jews on Schindler’s List. This was shown in the film Schindler’s List by Stephen Spielberg, with the proceeds used to collect testimonies of survivors.

In 2018, the Low-Beer family bought back the ruined factory and formed the Arks Foundation with local community members, including the skilled textile factory manager Frantisek Olbert, mayors, and the civil society community movement Meeting Brno. The Meeting Brno specialised in community engagement convenes several thousand people each year around such projects and invited the family back to Brno in 2017.

In 2019, community consultations were held in Brno and Prague, and the outcome document published transparently with a dozen inputs to the project (“Community and Expert Consultations Outcomes” 2019, www.thearksfoundation.net). Consultations were then completed in Brnenec with local mayors, community groups, together with European historian and museum experts. The mayors of Mikroregion Brnenec met and provided their support, co-finance and expressed their need for new community housing. Subsequently, the planning regulations were approved to allow the mix of these co-designed activities. The site is ready for the New Bauhaus project.

In 2020, the community movement Meeting Brno convened several hundred people from Brno and Brnenec to consult on the plan. They hired a train from Brno and transport from the local villages for communities to meet, review and co-design the plans. They also saw together the film Schindler’s List in the ruined factory where the events occurred, many said it was an unforgettable experience.

In 2021, the plans were developed and approved in detail, and reviewed with input by Re-FACT, a group of architects from five European countries specialised in recovery of industrial heritage and community and environmental regeneration. They chose Brnenec as their European site for 2021, culminating in a week visit of 20 architects to work on the plans. This is the basis, with community and European wide input, for the proposal.

At the same time, learning and textile activities were developed with the other partners, Ekotextil at the Brno Textile Department, Kubak textiles a partner since 1870, Smart Textiles, Sweden and Zachor Foundation on testimonies. A partnership with the Scandinavian New European Bauhaus network was formed in 2021, and the Swedish textile lab and museum joined the proposal, linking the two great textile regions of Central Europe and Scandinavia. The Arks Foundation became an official partner of the NEB initiative in 2021 contributing to its co-design.

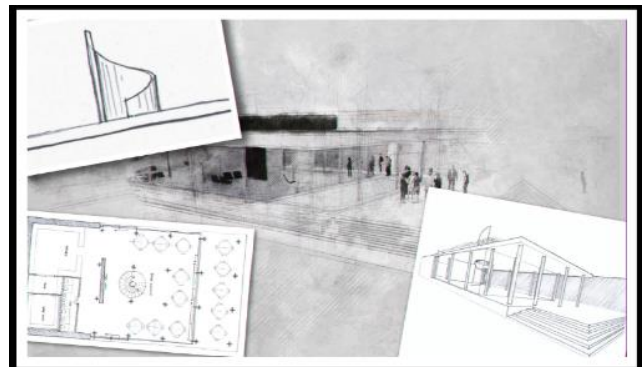
Coordination and Partners

The project is coordinated by a local team which has capacity in each of the functional areas, to allow them to partner with regional and European experts, so the project is co-designed locally and with Europe. The local team in Arks also coordinates the data management, and monitoring and evaluation. The project catalyses three partner groups

1. **Local institutions** - Brno textile and architecture university departments and the Brno Museum which includes the Tugendhat Villa, local textile experts Kubak and Ekotextil, Meeting Brno and the network of local mayors (Mikroregion Brnenec) who co-finance and include the project in their local budgets for sustainability
2. **Architecture partners** – Re-FACT specialised in the recovery of industrial heritage and community and environmental regeneration, representing architecture departments from five European countries (Brno, Nancy, Saarbrücken, Florence and Sevilla) who chose the Arks as their European project in 2021
3. **Textile and Museum partners** – first with the Scandinavian NEB network, represented by the Swedish Smart Textiles in Borås University, linking two Textile cultures of Central Europe and Scandinavia, the Norway National Museum with their experience on Otti Berger. Grassi Museum, and the Zachor and Shoah Foundations

The roles of the partners in support of each objective include:

- A. **Overall Coordination, Management and Monitoring and Impact Evaluation** – The Arks Foundation.
- B. **Objective 1 Saving Schindler’s Ark into a Museum of Survivors** – the key partners are
- a. **Meeting Brno a community organisation** organise the community activities and engagement, skills transfer to Brnenec and Brno staff. They convene 1-2000 people per year from throughout Europe. They would provide a satellite to the NEB festival on textiles, with our Scandinavian NEB partners.
 - b. **Zachor and Shoah Foundations** who provide the best practice international and Central European content in using the 50,000 hours of testimonies. They also provide knowledge transfer, advise on digital media and interactive exhibitions, and co-develop the activities for the site.
 - c. **European Museum Partners** – Brno Museum including the Tugendhat Villa built by the Bauhaus Director of Architecture and Textiles, together with the **Textile Museum of Sweden, Norway National Museum, and Grassi Museum** co-develop the exhibition and advise on new museum design.
- C. **Objective 2 – New Bauhaus workshop and textiles contributed to sustainable housing**
- a. **Ekotextil** is the continuation of the most important Textile School in Central Europe from 1860 till 2012 based in Brno. They teach and convene around sustainable textiles including patented, Czech methods for recycling wool. Our second partner is **Kubak**, our weaving partner since 1870.
 - b. **European textile partners** – a major aim is to link the NEB networks in Central Europe and Scandinavia in textiles, and we work with the Swedish Smart textile and Textile Museum as our key partner. This includes in **nanotechnology and medical textiles**, of which the Czech Republic play a leading role.
- D. **Objective 3 – Prototype Housing for modern living for the local community**
- a. This will be based on a co-design process with the local mayors’ network (our partner Mikroregion Brnenec), community, with structured engagement by the community organisation **Meeting Brno**. This will include community co-design in consultation, governance, and making of the materials in the site.
 - b. **European architecture partners - Re-FACT a collaboration of architectural departments from five European countries (Berlin, Nancy, Sevilla, Saarbrucken, Florence and Brno)** specialised in the recovery of industrial heritage and community and environmental regeneration



The project leverages investments in the site, the life-long learning and workshop buildings, which complement the historic buildings, with consultation, co-design and planning approval completed



The project is based on the immense local textile expertise over several hundred years, above Ekotextil with patented approaches for recycling wool (left) and developing prototype Bauhaus samples below for heat and sound insulation with innovative weaves as well as Bauhaus Otti Berger textiles (right).

2. Impact

Impact and Catalytic Activities

The overall impact will be to save Schindler's Ark so it can continue to shape our world – a lighthouse for those that were saved here, the community and the Bauhaus movement. The new museum of survivors shows how survivors shape our world, as individuals and in New Bauhaus textiles. It will shine as a regenerated, sustainable community, convening people from throughout Europe, and in the renewed role of textiles in architecture. The transformation of a place on the ground will also be a lighthouse for the renewal of European history.

A second impact will be to renew the innovative role of textiles in the experience of the new Bauhaus home. The original Bauhaus saw textiles as part of architecture, adding an ability to add touch, colour, modulate light, heat, change sound and divide space. We will produce prototype textiles with a wood and wool building block, a window unit to moderate outside light and heat, and an internal two-sided wall textile to diffuse light on one side and absorb sound on the other. We will also redo the textiles in the finest Bauhaus home in Brno. Textiles will be part of the materiality and text of the housing, the digital museum, and the exhibition "Starting from Zero".

The community movement Meeting Brno will support the wider impact. They will convene several thousand people annually, linking the Central European and Scandinavian NEB networks, holding NEB festival satellite events, with a focus on textile innovations. These events will impact the environment that enables innovation in textiles and architecture, and our way of thinking of the New European Bauhaus (the second and third transformations defined by the New European Bauhaus).

Finally, the project will have a long-term catalytic impact, the two years of the demonstration project will shape the 5-10 years of infrastructure funding, from Czech and European funds, which will complete the museum, the textile laboratory and the sustainable housing in the valley. Existing funding is leveraged in each objective, including preparations and formal planning of buildings completed, and prototype textiles developed and initially tested.

The Low-Beer family came here in 1854, and together with the local village turned Brnenec from one of the poorest communities into one of the most innovative and prosperous centres for textiles and building in Europe. Brnenec is again one of the poorest valleys with very few jobs and ruined buildings. The challenge for the Arks Foundation and the New Bauhaus is to make it sustainable, beautiful, and together again.

2.1 Project's pathways towards impact

The overall objective is to save Schindler's Ark and create a sustainable community with a museum of survivors, a workshop for new Bauhaus textiles, and 50 prototype housing units in the heart of Europe.

The needs that the overall objective addresses are the following:

1. The need to **Save Schindler's Ark** from collapse and create a museum of survivors which addresses the need for a **digital and learning hub for the community**
2. The need to **save one of the largest European textile workshops** and **develop new Bauhaus textiles** to improve the heat, sound and touch of the sustainable home
3. **Local housing crisis** (particularly for elderly and young families) and **need to develop prototype, sustainable housing** with innovative textiles
4. The need to **renew the Czech and Central European Bauhaus tradition** in textile innovation for prototype modern housing, in the heart of Europe

Addressing these needs will achieve the following outcomes over the two-year period of the project:

1. **Schindler's Ark as Museum of Survivors** becomes major heritage and creative centre of testimonies and textiles, with 1 million people recognising renewal of Central European Bauhaus culture and 100,000 personally through exhibitions
2. **Local Community** 50% use facilities and connect to digital centre for lifelong learning, with 80% approval ratings as community hub

3. **School children engagement** 30% improved recognition and skills in relation to discrimination and new Bauhaus textiles of children who visit from Czech Republic, Slovakia, Austria and Germany, and approval in Czech curriculum to reach 3 million schoolchildren over time
4. **New Bauhaus Workshop** launched with textile and wood activities, 3 new Bauhaus textiles which improve heat and sound insulation by 20%, and joint sun and wind unit which improves electricity efficiency by 10%, launched. New Brno chair marketed to 1 million people so they can touch and experience the New Bauhaus.
5. **Prototype housing** designed and built locally with wood, wool and glass which reduces heat loss by 50%, improves affordability by 30%, compared to local buildings, and improves U_w of windows by 10% compared to the market. They are also beautiful, renewing Czech Bauhaus design.

The outcomes will provide the basis for the three main medium-term impacts of the work:

1. **Catalyse Central European engagement with European history and New Bauhaus in textiles** – through saving Schindler’s Ark as the most prominent museum for survivors and how they shape our world. Reach 1 million people and 100,000 personally, school children in 4 countries, and convene architects and textile experts from five countries in Europe annually
2. **Textile innovations and a Brno chair to radically improve the sustainable home** - its sound, heat, tactile, colour, smell, and pollution insulation and the experience of sitting comfortably at home. 3 textile innovations to improve heat and sound insulation by 20%, renewable energy efficiency by 10% and U_w values of large windows by 10% which like the Brno Tugendhat House link us to nature
3. **Renew a local community which is sustainable, beautiful and together** – co-design and co-make sustainable housing units which are 50% more energy efficient, 30% more affordable and beautiful renewing the prototype of the finest Bauhaus home which was built in Brno. Make this available to Europe. Define a sustainable community with a leading museum, a textile workshop and sustainable homes in the heart of Europe where the New Bauhaus needs to make a difference

The approach has a clear transformational impact on the built environment, and how people live and interact in the museum, in the workshop and the sustainable homes. At the same time, it produces tangible and prototype, replicable results, in the use of a museum in the community, in textiles and sustainable housing. They are catalytic for infrastructural investment in the valley over the coming 5-10 years, from regional, Czech, private and European Structural Funds of which this site forms a part. Most importantly, the project does the design, community, and aesthetic work so that the impact is sustainable economically and environmentally.

The project is perhaps one of the most well-known brownfield sites with a unique history, that can be transformed, providing a clear demonstration effect in relation to sustainability, inclusion locally and across Europe, and in the aesthetics of renewing Central European prototypes in textiles and architecture. It has the potential to serve as a reference for the renewal of the Bauhaus and of Europe, reach a wide range of stakeholders, school children, as well as uniquely the general public, where the story is known and taught throughout Europe.

In terms of challenges, the project tackles the preservation and reconversion of existing infrastructure and heritage, demographic challenges of housing for an aging population (specifically asked and included following consultation with the village mayors), preventing depopulation, and attracting sustainable tourism, as well as the environmental and social challenges related to the green transition, discrimination, unemployment of a skilled population, and poverty in a very, underprivileged region. The elderly who worked in the factory are provided with housing and their stories included in the museum with their role as guides, threading together a community.

Many of the barriers to the project have been tackled in the preparation phase since 2018, the land has all been purchased on a 10-hectare brownfield site, planning permission achieved, environmental assessments completed, support achieved with the local mayor groups, to provide one of the largest brownfield sites in the Czech Republic.

In addition, the work with planning authorities has altered the land zoning for the project, together with approval of the key components, environmental assessments, sewage and electricity, and secured planning.

There remain a number of barriers. First, the need to develop and maintain local capacity to coordinate the project and engage with partners throughout Europe. We are privileged to have an excellent local team, who understand the local context over thirty year, and with expert technical skills in textiles, museums, renewable energy and building in local villages, and community engagement. This is a unique team and partnership but requires core support, and



The project leverages and supports the very urgent work to save the unique, historic buildings of Schindler's Ark (above) and the co-design process with community from Brnenec and Brno organised with Brno Meeting, and with Re-Fact architects from five European countries (below)

development opportunities through the project, to sustain it over the next 5-10 years. This includes the time built into the project to engage with the New European Bauhaus networks and partners, and to travel and learn from the best practice approaches in Europe, even as local delivery accelerates.

The second major challenge is to ensure the museum becomes a community facility, oriented to the future as well as the unique past of the region. It is critical the facilities are open and used by the community, as a digital hub, and lifelong learning centre, as their museum. Investments are therefore made in community co-design and resilience.

The third major challenge is to get the dissemination and learning from the project to shine in such a restricted period of two years. This will require full leverage of the New European Bauhaus partners, laboratory and linking the Central European and Scandinavian NEB networks (including convening them as satellites for the NEB festival). The project has incredibly unique dissemination activities but will need to strengthen a Central European Bauhaus Platform learning from our NEB Scandinavian partners, within the wider movement. We cannot do that alone.

The target groups for the project are the following

1. **General Public audience in Central Europe** in Czech Republic, Austria, Germany and Slovakia, to reach 10%, and 100,000 people with the exhibition. Potentially the wider Central European region
2. **School children in four countries** - The 3 million schoolchildren aged 14-18 in Czech Republic, Germany, Austria and Slovakia, piloting the activities with visits from each of these countries, together with other countries in Central Europe who become involved
3. **Local community in Brno and region**, to reach 50% to use the facilities with 80% approval ratings
4. **Textile experts and architects in 5 European Countries** supported by Re-FACT in Germany, Czech Republic, France, Spain, Italy, Two European workshops, both live and streamed, to improve awareness of textiles 50%, and extend with the partners and networks of the NEB Scandinavian network
5. **Visitors to Brno Museum and general public** to reach 1 million people with new products and marketing

As a New European Bauhaus project the scale and significance of the project would be widespread in Central Europe, Scandinavia, throughout Europe as Schindler's Ark is recognised universally, and potentially internationally (there are regular visitors from USA to China before redevelopment). The Museum will show how survivors shape our world. We would aim it to be recognised by 10% of the population in the Czech Republic, Slovakia, Austria and Germany, and reach 100,000 people with the exhibition starting from zero. In addition, working through the school curriculum, it would be relevant to 3 million school children aged 14-18 in these countries.

The impact of the work on new Bauhaus textiles would also be significant for the sustainable home. The three textiles innovations would improve heat and sound insulation by 20%, the U_w values of large windows by 10%, and with the wind and solar module heat efficiency and most importantly predictability by 10%. This will lead to significant impact in existing community housing, and as textile and architecture innovations throughout Europe. The housing prototypes will be 50% more efficient and 30% more affordable and beautiful, renewing the prototype of the finest Bauhaus home built in Brno. The experience of the New Bauhaus Brno Chair would also be marketed to 1 million people so they can experience the New Bauhaus and the shift to sustainable materials.

Finally, the transformation of the place will help build the New Bauhaus into the heart of Europe, closer to Brno than Brussels. This factory has seen all of the 20th century, the highest point of architecture and textile culture in the 1930s, the division of Europe and Czechoslovakia in two in 1938 with the frontier running along the stream in the factory, Nazism, a concentration camp, communism, as the second largest wool factory in Europe, the fall of the Iron Curtain, renewal to produce textiles for Ikea, Skoda and the British Queen's soldiers, and then collapse in the second decade of the 21st century. It will still take its place again in the 21st century.



Survivors who shape our world from the video on Arks, www.arksfoundation.net. The project will support new material to ensure the legacy of Ottilie Berger survives and influences New Bauhaus textiles alongside Anni Albers.

2.2 Measures to maximise impact - Dissemination and communication

The communication plan has three main components, establish the Museum and Exhibition as a permanent lighthouse, engagement with focused audiences, schoolchildren aged 14-18, textile and architecture experts in five European countries, and finally market and disseminate the findings to the general public through articles, media, supporting dedicated films and documentaries, and social media.

The first objective will complete the Museum based on the most recognised story of the Second World War. Similar museums attract 100-200,000 visitors per year. This would provide a permanent lighthouse for Arks, issues of discrimination, textiles and the New European Bauhaus. The story already has considerable prominence, through

- The **Booker Prize winning book Schindler's Ark by Thomas Kenneally**. Thomas is contributing to the project, providing testimonies on how the story was developed, and adding additional untold Czech stories.
- The **Oscar winning film Schindler's List by Stephen Spielberg** (whose Shoah Foundation is collaborating to develop activities for Arks) and those associated with the film, for example Liam Neeson who supports the Arks "I am hugely grateful that the Low-Beer family and the local community around the factory near Brněnec in the Czech Republic have come together to save Schindler's Ark where the 1200 Jews on Schindler's List were saved. Why did Schindler do what he did, and as relevant what would you do to fight discrimination now?"
- The **book "Arks: the Low-Beer story behind Schindler's List and Villa Tugendhat"** which sold out in its first edition in Czech in the first two months of 2020, as people connect to the stories of the two contrasting places. This has been presented in the UK and launched in the Meeting Brno, with a Low-Beer walk of Brno, to disseminate the stories with plaques and QR codes so people can listen to the stories of these places from Arks.

Building on this basis for dissemination, the aim of this objective would be to promote the museum through the media, TV and radio, and social media with a growing amount of original video materials and support of local filmmakers (see www.arksfoundation.net). The outcome would be to achieve 10% recognition of the project in the Czech Republic, Slovakia, Austria and Germany, and reach at least 1 million people online and offline.



The book the Arks and the uncovering of the first stone of the new building (left), museum video (right)

Examples of the completed materials, in English and Czech, include:

- The overall project <https://www.youtube.com/watch?v=hJ0T07oWC0A&t=2s>
- The Museum of Survivors <https://www.youtube.com/watch?v=bgCdOg6jqXs>
- On the Exhibition "Starting from Zero" of survivors and Bauhaus Textile artists <https://www.youtube.com/watch?v=llEd8qHZZEc>

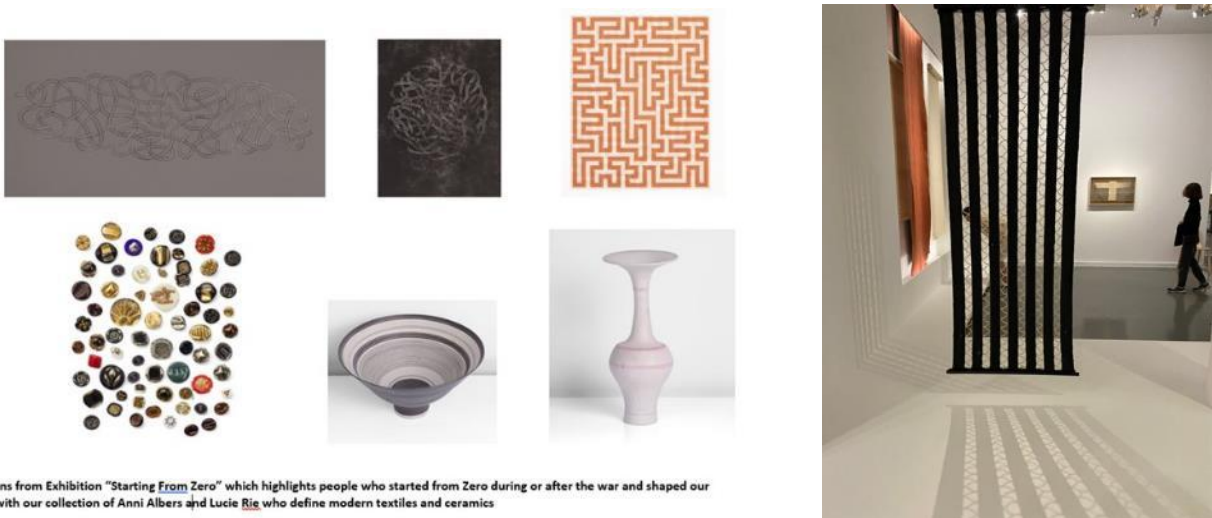
The approach is to have a consistent visual language to the project, and a mix of short materials and those which can be used for longer consultations and more specialised audiences in English, Czech and German.

The following ongoing activities will be built on and completed:

1. **Generation of primary material** as part of the contents and to promote the museum, for example the videos launched on the project, the museum, and the short, teaser videos for the exhibition.
2. **Completion of original materials**, for example the ongoing testimony with Thomas Keneally, the author of *Schindler's Ark*, and work with him to complete the "Long Schindler Story" showing the stories in the Czech Republic not yet told. This would also include testimonies with Joseph Bau's family, who continued to forge documents after the war, becoming the major forger for Mossad in the Eichmann trials and through to the 1990s. The stories have not yet been told.
3. **We will also continue to support, local, original film and documentary materials**, for example the feature film "Absence" on the ruined textile factories of the Czech Republic, and "Return" on the new sustainable textiles emerging in Brno and in Saxony, Germany. We support three filmmakers, one focused on testimonies, the others on documentaries and films on issues surrounding textile factories.
4. **We will also support original materials on Bauhaus textiles**, related to Otti Berger and Anni Albers. In particular, we will support the complete collection of Otti Berger materials, the photography of their aesthetic and textile qualities, which are at present scattered in different archives, to house them in Brnenec.
5. **These activities will be promoted with articles, contributions to newspapers, TV, radio and social and digital media.** A selection of ongoing activities in each of these areas is shown on the website www.arksoundation.net, including radio interviews (<https://english.radio.cz/new-hopes-saving-schindlers-ark-8143166>), leading newspapers (<https://www.telegraph.co.uk/news/2019/02/25/british-descendant-schindler-factory-owner-turn-derelict-building/>), exhibitions (https://arksfoundation.net/wp-content/uploads/2020/08/Arks-Press_release.pdf) and articles (https://arksfoundation.net/wp-content/uploads/2021/06/Friends-Czech-Heritage_LowBeerBrno.pdf). The approach also promotes others speaking about the site, for example Christian Rapp, Museum Director, Austria "*The potential lies in the story that is told here, it is a story that is timeless*", Eva Lustigova, Liam Neeson and others.

Finally, the **person-to-person components of this communication objective will be supported by launching the exhibition "Starting from Zero"** on how survivors shape our world, including unique material on two Bauhaus textile innovators Anni Albers and Otti Berger, visiting Brno, Brussels, Sweden, Norway before taking its home in Brnenec. A short video of the proposed exhibition is <https://www.youtube.com/watch?v=IIEd8qHZZEc>

The aim of this activity would be to reach 100,000 people with exit surveys aiming to show that 50% of visitors link the museum to survival and to new Bauhaus textiles. The links in the messaging are important ensuring the synergies between the museum, the renewal and survival of textiles, the past and new Bauhaus.



Selections from Exhibition "Starting From Zero" which highlights people who started from Zero during or after the war and shaped our world, with our collection of Anni Albers and Lucie Rie who define modern textiles and ceramics

The project leverages the unique collections developed by the Foundation of artists who "started from Zero" and shaped our world, the bauhaus textile leaders Anni Albers and Otti Berger and Lucie Rie who was forced to make buttons after the war (left). Visitors will experience the original and new Bauhaus in art and in their stories, and the textiles will be built into the materiality of the museum, Anni Albers room dividers to be made in the site (right).

The **second communication objective is to engage with focused audiences**, schoolchildren aged 14-18, textile and architecture experts in five European countries, and the local community in Brnenec and Brno. The local community is a key audience also to involve with other audiences, for example ensuring the community is trained in learning activities, and local textile experts mixed with those from throughout Europe.

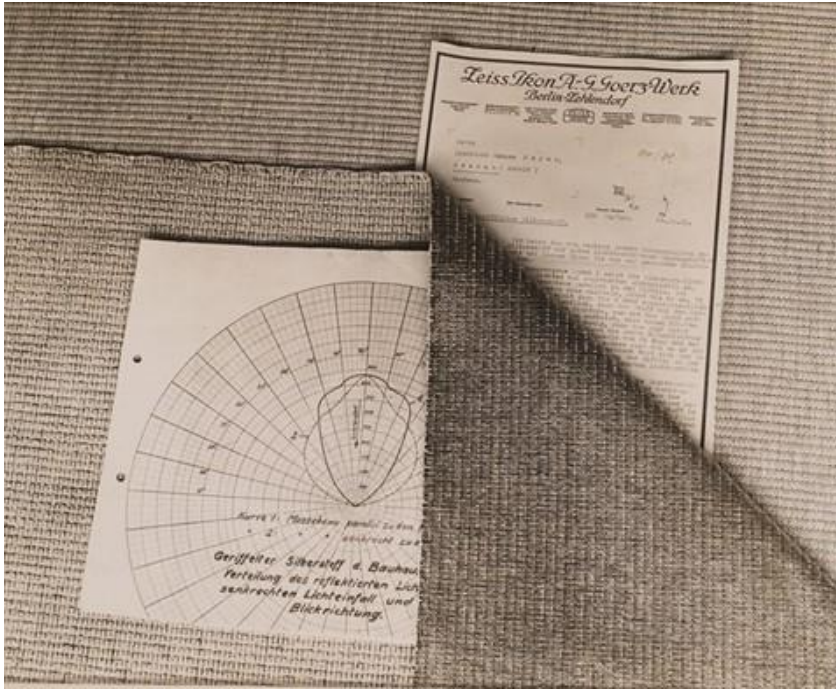
1. **School children aged 14-18** in the Czech Republic, Germany, Austria and Slovakia are a core audience of 3 million. Dedicated activities will be developed and piloted with schoolchildren in each of these countries. This will also target and involve schoolteachers who provide much of the adaptation of learning objectives. The Arks Foundation is partnering with curriculum experts in Prague and Brno, as the aim is also to include activities in the school curriculum, so there is a wider, medium term impact of dissemination
2. **Textile experts and architects in 5 European Countries** supported by Re-FACT in Germany, Czech Republic, France, Spain, Italy. We have also completed dissemination sessions with them on textiles and architecture and specifically on the New European Bauhaus with the EU team in October 2021. The aim would be to improve the awareness of the role of textiles in architecture, specifically in modulation of insulation, heat, light and touch, by 50% among the next generation of architects in these groups and with the NEB Scandinavia network.
3. **Local community involvement and dissemination** the community movement Meeting Brno also works with us to ensure that the local Brno and Brnenec communities are a key audience in dissemination, communication and engagement activities. We aim that 50% of the local community would use the lifelong learning and testimony centre, and local guides implement the activities, and that they have 80% positive ratings.

The final objective is to **market and disseminate the findings to the general Central and wider European public** through annual events, articles, media, supporting dedicated films and documentaries, and social media.

1. The **first key dissemination activity will be with the community movement Meeting Brno**. They will hold annual meetings linking the Central European and Scandinavian NEB network. Each year they will convene meetings of architecture and textile experts to share and disseminate the findings and progress of the new European Bauhaus in textiles more widely. They will reach 2-5000 people on site and be streamed online to reach European countries in collaboration with the NEB in Brussels. They will also with the Scandinavian NEB network organise NEB festival satellite events for these regions on an annual basis.
2. Secondly, the **products produced for the museum in the textile workshop would be marketed** and disseminated. This includes patenting and marketing widely 3 new Bauhaus textiles for sustainable homes. The textiles for the Tugendhat Villa would also be produced to their original quality and installed reaching tens of thousands of visitors in this UNESCO World Heritage Site, in partnership with Brno Museum. The design of both the textiles and chair are currently underway with local wood and textile experts. At least 10,000 people per year would experience these products and they would be marketed to over 1 million.
3. Finally, **online and offline media activities** would disseminate the findings. These include original digital media and film materials, supporting the films *Absence and Return*, as well as films on the revival of sustainable textiles in the meetings, in Brno and as outcomes of the meetings. Collaboration with the NEB Secretariate would be crucial to extend the influence through Central Europe, so the project can be seen as a hub and lighthouse for this region. The aim is to provide continued digital content for the project itself, films, testimonies, digitisation of the collections, as well as for dissemination to reach 10% of the population of Central European countries.

The communication strategy provides the basis for a permanent lighthouse, which can disseminate findings, widely throughout Central Europe. This will allow us to reach:

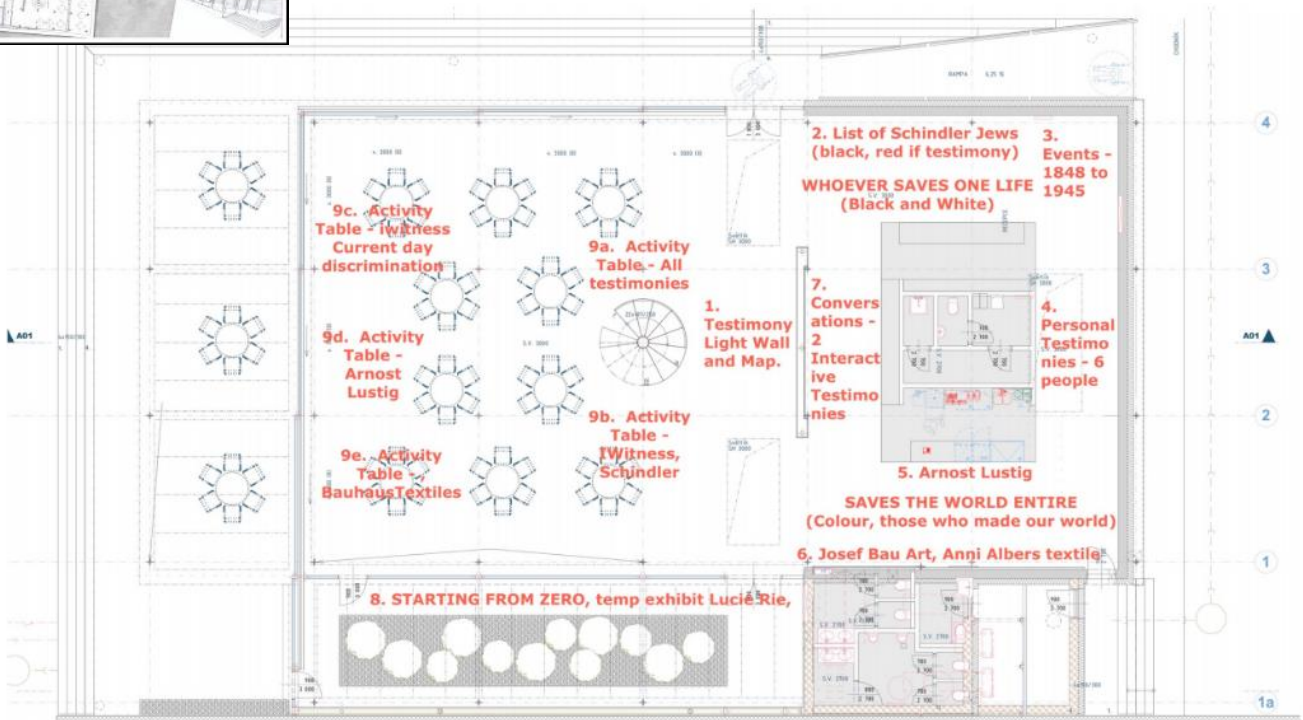
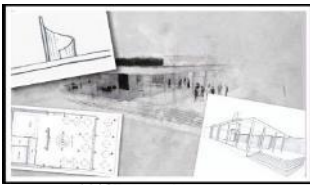
1. **General Public in Central Europe** in Czech Republic, Austria, Germany and Slovakia, to reach 10%, and 100,000 people with the exhibition
2. **School children** - The 3 million schoolchildren aged 14-18 in Czech Republic, Germany, Austria and Slovakia and work to include activities and visits in their school curriculum
3. **Local community** of Brnenec, to reach 50% to use the facilities with 80% approval ratings
4. **Textile experts and architects in 5 European Countries** supported by Re-FACT in Germany, Czech Republic, France, Spain, Italy, Two European workshops, to improve awareness of textiles 50%
5. **Visitors to Brno Museum and general public** to reach 1 million people with new products and marketing promoting behaviour change in relation to the role of textiles in the New European Bauhaus



Two sided Anni Albers textile to modulate the sound and light of a room to be produced in Brnec in a modern version for the Arks, and built into the museum, textile workshop and used in sustainable housing



The Brnec Textile workshop used for co-design community event with Brno and Brnec, and art exhibition from Schindler Jews, 2020



Museum of Survivors – the building and exhibition space with exhibition at the back in black and white on the events during the war and in colour on how survivors shape our world. The large activity and learning space looking onto the historic buildings and exhibition “Starting from Zero”.

2.3 Summary

KEY ELEMENT OF THE IMPACT SECTION

SPECIFIC NEEDS	EXPECTED RESULTS	D & E & C MEASURES
<p><i>What are the specific needs that triggered this project?</i></p> <ol style="list-style-type: none"> 1. The need to Save Schindler’s Ark from collapse and create a museum of survivors which addresses the need for a digital and learning hub for the community 2. The need to save one of the largest European textile workshops and develop new Bauhaus textiles to improve the heat, sound and touch of the sustainable home 3. Local housing crisis (particularly for elderly and young families) and need to develop prototype, sustainable housing with innovative textiles 4. The need to renew the Czech and Central European Bauhaus tradition in textile innovation for prototype modern housing, in the heart of Europe 	<p><i>What do you expect to generate by the end of the project?</i></p> <ol style="list-style-type: none"> 1. Schindler’s Ark buildings saved and new digital media facility equipped for the museum of survivors 2. Lifelong learning centre and six testimony activities using trained local guides 3. New Bauhaus workshop refurbished for textile laboratory and local business activities 4. New textiles and Brno chair developed, patented and marketed for the New Bauhaus home 5. 25m2, 50m2 and 100m2 Prototype sustainable housing combining textiles co-designed with the community and with annual European workshops 6. Implementation of housing units with innovative textiles, 10 on site, 40 in local villages 	<p><i>What dissemination, exploitation and communication measures will you apply to the results?</i></p> <ol style="list-style-type: none"> 1. Schindler’s Ark museum of survivors launched based on most recognised story of the Second World War, 10% recognition achieved in Czech Republic, Slovakia, Austria and Germany with media interviews (see already TV, radio and newspaper), articles and social media events 2. Exhibition “Starting from Zero” on how survivors shape our world, including unique material on two Bauhaus textile innovators Anni Albers and Otti Berger, launched in Brno, Brussels, Sweden, Norway. 50% of visitors link museum to survival of Bauhaus and new Bauhaus textiles, and reach over 100,000 people 3. 50% of local community use lifelong learning and testimony centre, local guides implement activities with school classes in Czech Republic, Slovakia, Austria and Germany, with 80% positive ratings. Include in Czech curriculum to reach all schoolchildren. 4. Meeting Brno convenes two European workshops on textiles and the new Bauhaus home, architects and textiles experts with Ekotextil, and Re-FACT, from five European countries (Czech Republic, France, Spain and Italy) – increased awareness of textiles for sustainable homes in 80% of their 1-2,000 participants. Two films, <i>Absence on empty textile factories</i>, <i>Renewal on new textiles</i>. 5. Develop, patent and widely market 3 new Bauhaus textiles for sustainable homes, including a new version of the Brno Chair, so people can touch, feel, and experience the New European Bauhaus – use these to refurbish the Tugendhat Home so at least 10,000 people per year experience them and market to over 1 million people

TARGET GROUPS

Who will use or further up-take the results of the project? Who will benefit from the results of the project?

1. **General Public in Central Europe** in Czech Republic, Austria, Germany and Slovakia, to reach 10%, and 100,000 people with the exhibition
2. **School children** - The 3 million schoolchildren aged 14-18 in Czech Republic, Germany, Austria and Slovakia
3. **Local community** of Brnenec, to reach 50% to use the facilities with 80% approval ratings
4. **Textile experts and architects in 5 European Countries** supported by Re-FACT in Germany, Czech Republic, France, Spain, Italy, Two European workshops, both live and streamed, to improve awareness of textiles 50%
5. **Visitors to Brno Museum and general public** to reach 1 million people with new products and marketing

OUTCOMES

What change do you expect to see after successful dissemination and exploitation of project results to the target group(s)?

1. **Schindler's Ark as Museum of Survivors** becomes major centre of testimonies and textiles, with 1 million people recognising renewal of Central European Bauhaus culture and 100,000 personally through exhibitions
2. **Local Community** 50% use facilities and connect to digital centre for lifelong learning, with 80% approval ratings as community hub.
3. **School children engagement** 30% improved recognition and skills in relation to discrimination and new Bauhaus textiles of children who visit from Czech Republic, Slovakia, Austria and Germany, and approval in Czech curriculum to reach 3 million schoolchildren over time
4. **New Bauhaus Workshop** launched with textile and wood activities, 3 new Bauhaus textiles which improve heat and sound insulation by 20%, and joint sun and wind unit which improves electricity efficiency by 10%, launched. New Brno chair marketed to 1 million people so they can touch and experience the New Bauhaus.
5. **Prototype housing** designed and built locally with wood, wool and glass which reduces heat loss by 50%, improves affordability by 30%, compared to local buildings, and improves U_w of windows by 10% compared to market. They are also beautiful, renewing Czech Bauhaus design.

IMPACTS

What are the expected wider scientific, economic and societal effects of the project contributing to the expected impacts outlined in the respective destination in the work programme?

1. **Catalyse Central European engagement with European history and New Bauhaus in textiles** – through saving Schindler's Ark as the most prominent museum for survivors and how they shape our world. Reach 1 million people and 100,000 personally, school children in 4 countries, and convene architects and textile experts from five countries in Europe annually
2. **Textile innovations and a Brno chair to radically improve the sustainable home** - its sound, heat, tactile, colour, smell, and pollution insulation and the experience of sitting comfortably at home. 3 textile innovations to improve heat and sound insulation by 20%, renewable energy efficiency by 10% and U_w values of large windows by 10% which like the Brno Tugendhat House link us to nature
3. **Renew a local community which is sustainable, beautiful and together** – co-design and co-make sustainable housing units which are 50% more energy efficient, 30% more affordable and beautiful renewing the prototype of the finest Bauhaus home which was built in Brno. Make this available to Europe. Define a sustainable community with a leading museum, a textile workshop and sustainable homes in the heart of Europe where the New Bauhaus needs to make a difference

3. Quality and efficiency of the implementation

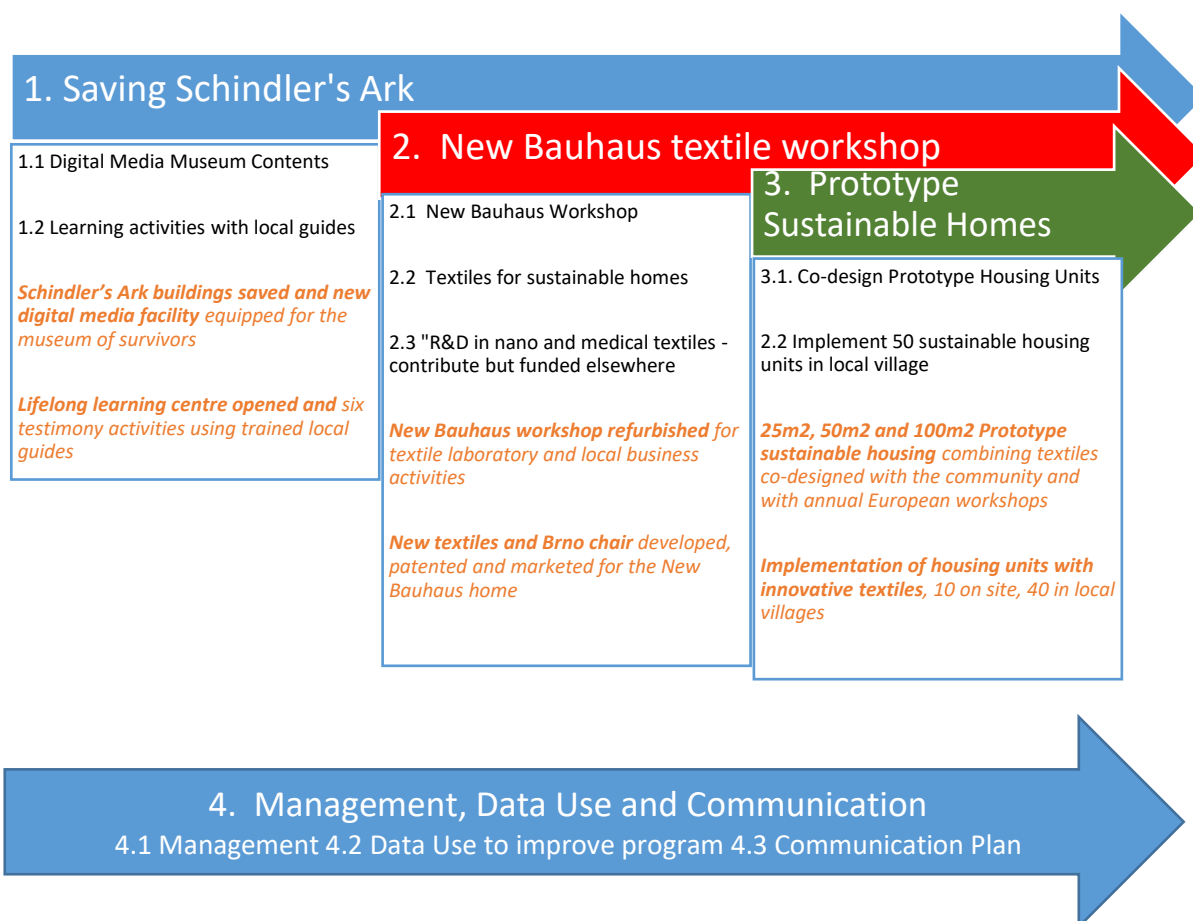
3.1 Work plan and resources

The overall structure of the workplan is shown below by objective with the key results shown in orange. The goal is to save Schindler’s Ark and create a sustainable community with a museum of survivors, a workshop for new Bauhaus textiles, and 50 prototype housing units in the heart of Europe.

The project builds on the first objective to Save Schindler’s Ark and leverage the infrastructure plans for a new museum building, to equip it as a life-long learning and digital hub for the community. The second objective refurbishes the beautiful workshop for a textile laboratory and local business activities, producing New Bauhaus textiles for the sustainable home. It also benefits from associated work on nanotextiles.

These activities contribute to the final objective which is to design and deliver prototype sustainable homes for the site and local villages. The close integration of the objectives provides for sustainability economically and environmentally.

Finally, the management objective, creates a strong local capacity to deliver the results and to engage with the partners throughout Europe on each technical area. They also coordinate the extensive monitoring, evaluation and data use activities and the communication plan to disseminate findings, engage the community, and reach the target audiences.



The logical structure of the activities and how they build on each other to achieve the results and outcomes of the project are shown by quarter in the following diagram. The table also shows the relationship between the objectives, activities and the timing of the deliverables and milestones.

Objective	Activity	Q1	Q2	Q3	Q4	Q5	Q6	Q7	Q8
4. Save Schindler's Ark	1.1	Digital Media Museum Contents	Save and Secure Schindler Ark Buildings	Digitise old and new buildings	New, interactive testimonies (Survivors, 2 nd and 3 rd generation, Thomas Keneally)	Bauhaus Textile digital archive (new Otti Berger material)	Exhibition "Starting from Zero" in Brno, Brussels, Zurich and permanently in Brnenec		<u>Lifelong Community Learning Centre with Digital Hub opened</u>
	1.2	Learning Activities with local guides		6 place-based testimony activities completed		Activities, digitised, made interactive and virtual with new media	Activities piloted with schools from Czech, Slovakia, Austria, Germany		<u>Permanent activities, knowledge transfer to local guides in new building</u>
5. New Bauhaus textile workshop	2.1	New Bauhaus Workshop	Save and Secure Workshop Building	Architectural study on materials and renovation approaches	First textile activities and machines included	Renovate building for first workshop	Install textile machines and transfer local woodwork and film activities		<u>Open new Bauhaus Workshop for textiles and for local business activities</u>
	2.2	Textiles for sustainable homes		Convene textile and architects from Europe with Meeting Brno and Re-FACT	Make and Install original Bauhaus textiles in Tugendhat Home	Release new Bauhaus textiles - wool and wood building insulation block	Convene textile and architects with Meeting Brno and Re-FACT		<u>Release textiles for window unit, Brno chair, and to manage heat, light, sound, and touch</u>
	2.3	R&D in medical and nano textiles	This is a parallel project but will contribute structural textiles and coatings to the new Bauhaus textiles, chair and building units. It will also develop research to implement nano textiles, for which Czech Republic and the region is a world leader						
6. Prototype sustainable housing	3.1	Design Prototype Housing Units		Combine textiles and architecture in initial design for prototype housing		Co-design complete with community, Re-FACT and Brno Uni	Complete design for 100m2, 50m2, and 25m2 modular house units		<u>Iterate and finalise design in first units. Make units and market widely</u>
	3.2	Implement 50 housing units in local villages		Co-design and finalise the units with local mayors and communities		Build first 10 units in villages to tackle housing crisis	Complete co-design plan for sustainable Brnenec village		<u>Implement additional 40 units in villages and on Brnenec site</u>

Deliverables reported in the project and highlighted in bold in the table and text

3.2 Capacity of Partners

The coordination and capacity of the consortium has been described earlier in the proposal (second 1.2). How it matches the project's objective and brings inter-disciplinary knowledge is shown below. This includes local, regional and European wide expertise which covers the value chain and objective, with clear and complimentary roles for each participant.

A crucial component is that the project is coordinated by a local team which has capacity in each of the functional areas, to allow them to partner with regional and European experts, so the project is co-designed locally and with Europe. The local team in Arks also coordinates the data management, and monitoring and evaluation. The roles of the partners in support of each objective are shown below

Overall Coordination, Management and M&E – The Arks Foundation. This provides a core and cost-effective local capacity, based on local costs, to coordinate and with capacity to partner in each of the main objectives (often missing from core, local teams). The capacity can be increased and reduced, based on part time work, but provides the basic team to coordinate, partner and support the co-design of the project, with the community and across Europe.

Objective 1 Saving Schindler's Ark into a Museum of Survivors – the key partners are

- a. **Meeting Brno a community organisation** organise the community activities and engagement, skills transfer to Brnenec and Brno staff. They convene 1-2000 people per year from throughout Europe. They would provide a satellite to the NEB festival on textiles, with our Scandinavian NEB partners.
- b. **Zachor and Shoah Foundations** who provide the best practice international and Central European content in using the 50,000 hours of testimonies. They also provide knowledge transfer, advise on digital media and interactive exhibitions, and co-develop the activities for the site.
- c. **European Museum Partners** – Brno Museum including the Tugendhat Villa built by the Bauhaus Director of Architecture and Textiles, together with the **Textile Museum of Sweden, Norway National Museum, and Grassi Museum** co-develop the exhibition and advise on new museum design.

Objective 2 – New Bauhaus workshop and textiles contributed to sustainable housing

- a. **Ekotextil** is the continuation of the most important Textile School in Central Europe from 1860 till 2012 based in Brno. It is now transferred to a design school but will help us ensure there is a textile laboratory for Brnenec and to renew the school's legacy for Central European textiles. They teach and convene around sustainable textiles including patented, Czech methods for recycling wool, using unique knitting machines to put textiles together, which do not require reprocessing of the wool. Our second partner is **Kubak**, our weaving partner since 1870, and are now supporting the installation of machines and production of the first, innovative textiles both for the interior and the insulation of sustainable housing.
- b. **European textile partners** – a major aim is to **link the NEB networks in Central Europe and Scandinavia in textiles**, and we work with the Swedish Smart textiles in Boras University and Textile Museum as our key partner. In addition, they bring key networks in European textiles and museum. They will also collaborate in Smart Textiles in **nanotechnology and medical textiles**, of which the Czech Republic play a leading role, and advise on establishing textile laboratories with over 500 research and company driven projects completed.

Objective 3 – Prototype Housing for modern living for the local community

- a. This will be based on a co-design process with the local mayors, community, with structured engagement by the community organisation **Meeting Brno**. The aim would be to include co-design in the consultation, governance, and making of the materials in the site. The **Network of local mayors led by Petr Havlicek** is a key partner and on the board of Arks and in the proposal (Mikroregion Brnenec), and also designs and makes the wind and solar energy units, and the Brno chair using wood and wool.
- b. **European architecture partners - Re-FACT a collaboration of architectural departments from five European countries (Brno, Berlin, Nancy, Sevilla, Saarbrucken and Florence)** specialised in the recovery of industrial heritage and community and environmental resilience and regeneration.

3.3. Work Packages

Table 3.3a: List of work packages

Work package No	Work Package Title	Lead Participant No	Lead Participant Short Name	Person-Months	Start Month	End month
1	Save Schindler Ark and new digital media facility	1	Arks Foundation	63	1	24
2	Lifelong learning and testimony centre with local guides	2	Meeting Brno	60	1	24
3	New Bauhaus workshop and textiles	1	Arks Foundation	63	1	24
4	Prototype Sustainable Housing	1	Arks Foundation	60	1	24
5	Management, Data Use and Communications	1	Arks Foundation	48	1	24
				Total person-months	294	

Table 3.3b: Work package description

Work package number	1	Lead beneficiary				Arks Foundation	
Work package title	Save Schindler Ark and new digital media facility						
Participant number	1	2	3	4	6		
Short name of participant	Arks	Brno	Zachor	Grassi	Boras		
Person months per participant:	21	36	3		3		
Start month	1			End month	24		

Objectives This objective leverages the infrastructure plans for a new museum building, to equip it as a life-long learning and digital hub for the community.

Description of work

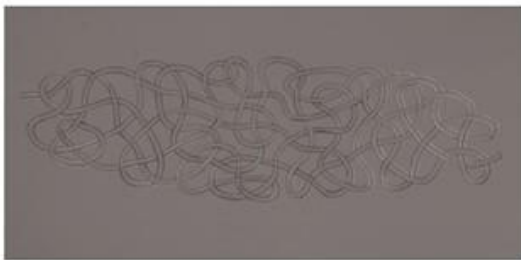
The urgent work to secure the buildings of Schindler’s Ark from collapse which form a key part of European heritage would be completed. The first museum building would then be equipped with digital media and interactive testimony exhibition facilities. The contents are based on a partnership with the Shoah Foundation which has 50,000 hours of testimonies of Schindler Jews and the Anni Albers Foundation on Bauhaus textiles, as well as generating new materials for both areas.

The activity generates the new digital media facilities and interactive testimonies for the museum, working with the community movement Meeting Brno to ensure co-design. The exhibition “Starting from Zero” on the influence of survivors, the Schindler Jews and Bauhaus masters in textiles, ceramics and architecture, would be held. The contents show the experience of survivors in shaping our world, and of the movement and renewal of the Bauhaus in textiles. The outcomes of this work package are local and European:

1. **Schindler’s Ark as Museum of Survivors** becomes major heritage and creative centre of testimonies and textiles, with 1 million people recognising renewal of Central European Bauhaus culture and 100,000 personally through exhibitions.
2. **Local Community** 50% use facilities and connect to digital centre for lifelong learning, with 80% approval ratings as community hub.

Deliverables The deliverables by month of delivery are the following:

1. **Save and Secure Schindler Ark Buildings** (urgently by month 3) – urgent work to secure the historic buildings from collapse which form a key part of European heritage
2. **Digitise old and new buildings** (month 6) – preparing for the digital hub and online museum
3. New, interactive testimonies (Survivors, 2nd and 3rd generation, Thomas Keneally) (9), generates new materials and digital media and film material using local capacity
4. **Bauhaus Textile digital archive** (new Otti Berger material) (12), working with the Anni Albers Foundation and generate new material on Otti Berger, the textile innovators of the Bauhaus
5. **Exhibition “Starting from Zero”** in Brno, Sweden and Norway and permanently in Brnenec (18) this leverages the Foundations unique materials on Anni Albers, Lucie Rie, Mies van der Rohe, to support the renewal of the legacy of textiles in New Bauhaus building reaching 100,000 people
6. **Lifelong Community Learning Centre with Digital Hub** opened with Textile events (24) so 50% of local community use facilities with 80% approval ratings as a community hub



Selections from Exhibition "Starting From Zero" which highlights people who started from Zero during or after the war and shaped our world, with our collection of Anni Albers and Lucie Rie who define modern textiles and ceramics

The project leverages investments in the site, the life-long learning and workshop buildings (above) and in the unique collections and activities developed by the Foundation (below)

Work package number	2	Lead beneficiary			Meeting Brno		
Work package title	Lifelong learning and testimony centre with local guides						
Participant number	1	2	3				
Short name of participant	Arks	Brno	Zachor				
Person months per participant:		24	36				
Start month	1			End month	24		

Objectives This objective delivers lifelong learning and testimony activities developed with local community guides and digitises all exhibits so they can be experienced in place or online.

Description of work

Six testimony activities with place-based learning and available online with digitisation of the buildings and collection would be implemented. The first activity was successfully piloted with our partners, Meeting Brno, Zachor, Arnost Lustig and Shoah Foundations, in October 2021 convening Czech and German schoolchildren. This involved six months of local training and knowledge transfer.

New multimedia film and display facilities would be installed, including digitised buildings and interactive testimonies, where the viewer can ask questions, and become involved in the unique place, on site or remotely. In addition, learning activities on New Bauhaus textiles would be developed. This would provide the village with a permanent lifelong learning centre and digital hub with trained local guides. The outcomes of this work package are focused on the community and 3 million school children in four, European countries:

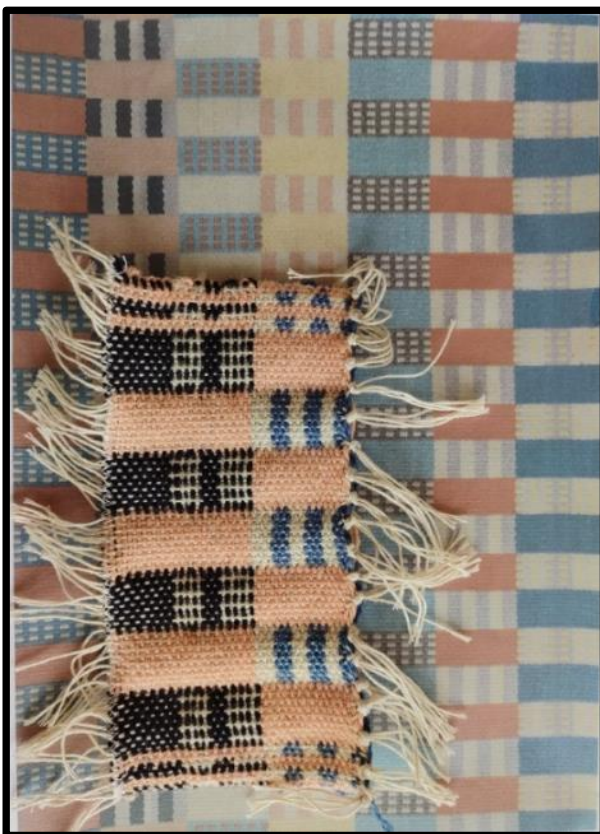
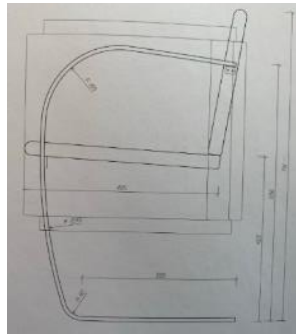
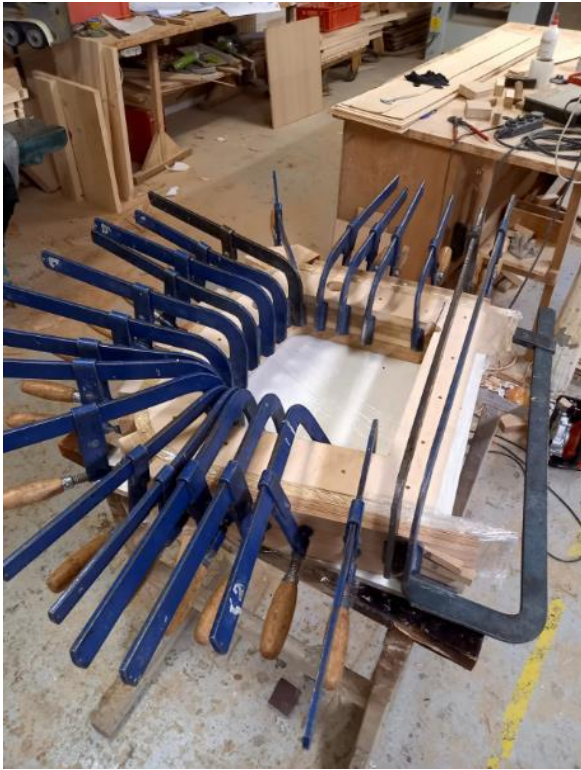
1. **50% of local community use lifelong learning and testimony centre**, local guides implement activities with school classes in Czech Republic, Slovakia, Austria and Germany, with 80% positive ratings. Include in Czech curriculum to reach all schoolchildren.
2. **School children engagement** 30% improved recognition and skills in relation to discrimination and new Bauhaus textiles of children who visit from Czech Republic, Slovakia, Austria and Germany, and approval in Czech curriculum to reach 3 million schoolchildren over time

Deliverables The deliverables by month of delivery are the following:

1. **6 place-based testimony activities completed** with existing and new testimony materials, including textiles activities of Otti Berger and Anni Albers (month 6)
2. **Activities and Museum exhibits digitised**, made interactive and virtual with new media, to allow place based or online delivery (month 12)
3. Activities piloted with schools from Czech Republic, Slovakia, Austria and Germany, with co-design feedback for both the activities and the making of the museum from school children (month 18)
4. **Permanent activities installed in the new building**, knowledge transfer to local, community guides, and inclusion of activities in the Czech school curriculum and initiation of policy inclusion in the other countries (month 24)



The project is based on the immense local textile expertise over several hundred years, above Ekotextil with patented approaches for recycling wool (above) and developing prototype Bauhaus samples below for heat and sound insulation with innovative weaves (below).



Sitting in and experiencing the New European Bauhaus – the design of the new prototype “Brno” chair built by the directors of the textiles and architecture of the original Bauhaus for the Tugendhat Home in Czechoslovakia. The new version is in sustainable wood and textiles rather than chrome, using new textiles inspired by Otti Berger (bottom left) and using the LB logo for the first time since 1938.

Work package number	3	Lead beneficiary			Arks Foundation		
Work package title	New Bauhaus workshop and textiles created to contribute to sustainable housing						
Participant number	1	2	6	7			
Short name of participant	Arks	Meeting Brno	Boras	Ekotextil			
Person months per participant:	48	12	3				
Start month	1			End month	24		

Objectives This objective is to refurbish the huge and beautiful textile workshop, whose open, planned, columned, and naturally lit architecture influenced the original Bauhaus buildings. New Bauhaus textiles will be developed based on the expert skills and one-hundred-and-fifty-year textile tradition in the village and region for sustainable housing.

Description of work

The first part would refurbish the New Bauhaus Workshop for textile laboratory and local business activities. The huge textile workshop would be restored with the first machines to create a textile laboratory for sustainable homes. This would provide a textile laboratory to teach, convene and develop new Bauhaus textiles for sustainable housing. It would be open to the village as a hub for local business activities, including partners with textile, woodwork, film and research into new medical and nanotechnology textiles.

The second component would develop new Bauhaus textiles for the sustainable home, in partnership with Scandinavian NEB partners, Ekotextil and Kubak, and to convene partners from Europe on the role of textiles in the new, sustainable home with annual meetings supported by Meeting Brno with Re-FACT from five European countries. These would include original Bauhaus textiles in collaboration with the Anni Albers Foundation and new Bauhaus textiles to manage the heat, sound, light and touch of the sustainable home, commissioned for 40 housing units by local mayors (Mikroregion Brnenec). The outcomes will be:

1. **New Bauhaus workshop refurbished** for textile laboratory and local business activities. Meeting Brno convenes two European workshops on textiles and the new Bauhaus home, architects and textiles experts with Ekotextil, and Re-FACT, from five European countries (Czech Republic, France, Spain and Italy) – increased awareness of textiles for sustainable homes in 80% of their 1-2,000 participants. Two films, *Absence on empty textile factories*, *Renewal on new textiles*.
2. **Textile innovations and a Brno chair to radically improve the sustainable home** - its sound, heat, tactile, colour, smell, and pollution insulation and the experience of sitting comfortably at home. 3 textile innovations to improve heat and sound insulation by 20%, renewable energy efficiency by 10% and U_w values of large windows by 10% which like the Brno Tugendhat House link us to nature

Deliverables The deliverables by month of delivery are the following:

1. Save and Secure Workshop Building (urgently by month 3)
2. **Architectural study on materials and renovation** approaches (month 6)
3. Make and install original Bauhaus textiles in Tugendhat Home (month 9)
4. **Renovate building and convene first textile and architects** New Bauhaus workshop (month 18)
5. Release new Bauhaus textiles – wood and wool building block (12), window unit, Brno Chair (24)
6. Install textile machines and transfer local woodwork and film activities (month 18)
7. **Open new Bauhaus workshop** for textiles and for local business activities (month 24)



Co-design of prototype housing with local mayors and use of patented wind and solar energy combinations for continuous home electricity. Co-design includes consultation, management and making by and with the community, so the activities can provide jobs and continue beyond the project.

Work package number	4	Lead beneficiary			Arks Foundation		
Work package title	Prototype Sustainable Housing						
Participant number	1	2	4	5			
Short name of participant	Arks	Brno	Zachor	Re-FACT			
Person months per participant:	45	12	3	6			
Start month	1			End month	24		

Objectives The objective is to design prototype, sustainable housing and build 50 housing units to meet local needs, co-designed with the local mayors network our key partner (Mikroregion Brnenec), the NGO Meeting Brno specialised in community engagement, community, and in partnership with 5 architecture departments from France, Spain, Italy, Germany and Brno.

Description of work

The extensive site is well situated, on the major train line to Brno (40 minutes), Prague and Vienna, yet provides a unique setting, history, and rural new Bauhaus space. The first part is to develop prototype housing units combining textiles and sustainable architecture, with input from Ekotextil, Re-FACT, and the local mayors and community. Meeting Brno will support with the community engagement.

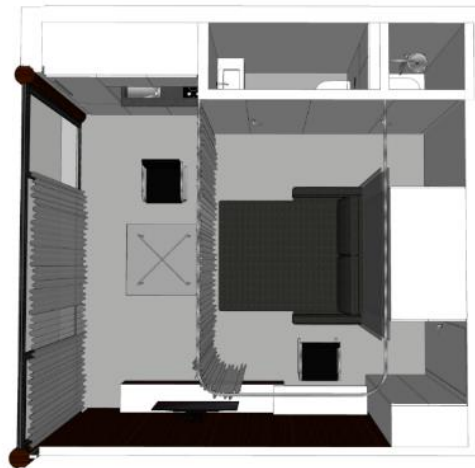
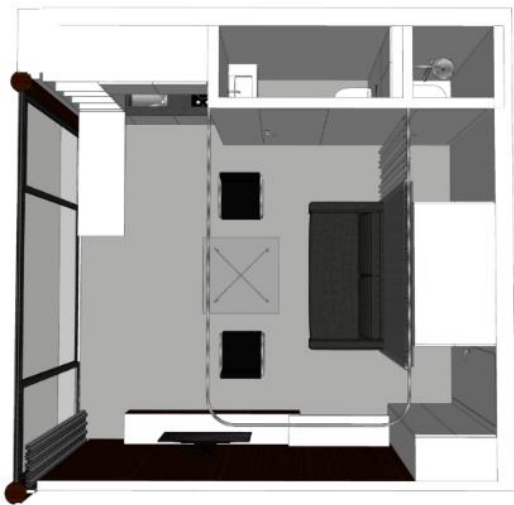
The original Tugendhat Home in Brno designed by Mies van der Rohe and Lilly Reich (directors of architecture and textiles at the Bauhaus) provides the Moravian, modernist model for the work. Design is underway to develop 100m², 50m², and 25m² modules as a prototype for modern, sustainable living.

The second part is to implement 10 housing units on the site and 40 units in the neighbouring villages, given the severe housing shortage, for the elderly, young families and visitors to the museum. The modular units, connected to nature with large windows and textiles to manage heat and light, digital controls, open living, and energy neutral, will be marketed for Europe. Each unit will also have a redesigned Brno chair in wood and textiles to mark the transition and experience to the New European Bauhaus. The outcomes will be:

1. **Prototype sustainable housing** designed and built locally with wood, wool and glass which reduces heat loss by 50%, improves affordability by 30%, compared to local buildings, and improves U_w of windows by 10% compared to the market. They are also beautiful, renewing Czech Bauhaus design.
2. **Renew a local community which is sustainable, beautiful and together** – co-design and co-make sustainable housing units which with a leading museum and a textile workshop define a sustainable community. They are catalytic in designing the regeneration of the valley for investment over 5-10 years and more widely in Central Europe.

Deliverables The deliverables by month of delivery are the following:

1. Combine textiles and architecture for initial designs for 25m², 50m², 100m² prototype housing with Ekotextil, Kubak and Re-FACT (6 months)
2. **Co-design and finalise the units with local mayors and communities** based on needs of different groups, including elderly, young family, and visitors to museum (12 months)
3. Build first 10 units in villages to tackle severe, housing crisis (12-18 months)
4. Complete co-design plan for sustainable Brnenec village (18 months)
5. **Build additional 40 units in villages and on Brnenec site** with co-financing (24 months)
6. **Iterate, learn and finalise modular designs and market widely** in Central Europe (24 months)



SCHINDLER'S ARKS 25 SQM APARTMENT



Sustainable prototype housing – co-design with the village and architects from 5 European countries in 2021 (above). The plans for 25 and 50m² modular apartments using wool and wood and connected to nature.

Work package number	5	Lead beneficiary					Arks Foundation
Work package title	Management, Data Use and Communications						
Participant number	1	2					
Short name of participant	Arks	Brno					
Person months per participant:	48						
Start month	1			End month	24		

Objectives The objective ensures management and regular coordination across the project, continuous management of data to improve activities, and communication activities to reach our target groups and ensure co-design with the community

Description of work

The project is managed by a local team which has capacity in each of the functional areas, to allow them to partner with regional and European experts, so the project is co-designed locally and with Europe. The local team in Arks also coordinates the data management, monitoring and evaluation and communication components. They draw on Meeting Brno for its expertise in community engagement and communication, and members of the Arnost Lustig Foundation and Daniel Low-Beer for experience in using data to improve programs.

This objective provides a core and cost-effective local capacity, based on local costs, to coordinate and with capacity to partner in each of the main objectives (often missing from core, local teams). The capacity can be increased and reduced, based on part time work. The communication and data management plan described above (in section 1.2 and 2.2) will be updated within the first 6 months and reviewed every quarter to include learnings and data from implementation. The main outcomes of this work area will be:

1. **Effective evidence based multi-sectoral coordination to achieve the workplan** across partners in textiles, architecture, museums, community engagement in five countries in Europe, based on strong local capacity, and transparent quarterly partner reviews, digital data collection of all activities on results, behaviours, attitudes and impact, and frank, incorporation of learnings to shape the project.
2. **Communication and dissemination** to firstly ensure co-design with the local community and mayors with textile and architecture input from five European countries, ensure the project becomes a lighthouse to reach over time 10% of the general public in Central Europe, 100,000 people with the exhibition, 3 million schoolchildren, and markets the new products to 1 million people.

Deliverables The deliverables by month of delivery are the following:

1. Establish local team capacity and quarterly partner reviews of workplan, progress and support actions to address and document deviations (Month 3 and quarterly)
2. **Communication and Data Management Plans** updated and finalised (Month 6 and ongoing)
3. Digitalisation and digital data used for all main activities – education and museum activities, built into textile functions in response to heat, light, daily patterns, co-creation by visitors (month 12)
4. **Final impact and learning review** with behaviour surveys incorporated into all activities to ensure differentiated feedback by target group by age, sex, language, to guide next steps (month 24)

3.4 List of Deliverables

Deliverable (number)	Deliverable name	Work package number	Short name of lead participant	Type	Dissemination level	Delivery date (in months)
1.1	Report that Schindler's Ark Buildings Saved	1	Arks	R	PU	3
1.2	Digitised old and new buildings	1	Arks	DAT A	SEN	6
2.1	6 place-based testimony activities completed	2	Meeting Brno	R	PU	6
3.1	Save and Secure Workshop with study on renovation	3	Arks	R	PU	6
5.1	Communication and Data Management Plans updated and finalised	5	Arks	R	PU	6
1.3	Bauhaus textile and testimony materials completed	1	Arks	R	SEN	12
2.2	Activities and Exhibits digitised and made interactive	2	Meeting Brno	R	PU	12
4.1	Co-design and finalise prototype sustainable housing	4	Arks	R	PU	12
1.4	Exhibition "Starting from Zero" completed	1	Arks	R	PU	18
3.2	Textiles and architects New Bauhaus Workshop Meeting	3	Arks	R	PU	18
1.5	Lifelong Community Learning Centre open	1	Arks	DEM	PU	24
2.3	Permanent activities installed, piloted and train local guides	2	Meeting Brno	R	PU	24
3.3	Open New Bauhaus workshop and 3 new Bauhaus textiles released	3	Arks	R	Sen	24
4.2	Finalise modular designs, build 50 in local villages and market to Central Europe	4	Arks	DEM	PU	24
5.2	Final Impact and Learning Review with behaviour surveys on all activities by age, sex, language	5	Arks	R	PU	24

Table: List of milestones

Milestone number	Milestone name	Related work package(s)	Due date (in month)	Means of verification
1	Saving of Schindler's Ark and Textile Workshop	1, 2, and 3	6	Architect study, with recommendations
2	Bauhaus textile and testimony materials completed and digitised	1,2	12	Survey with feedback from schoolchildren in 4 countries
3	Co-design and completion of prototype sustainable housing	4	12	Report of community and architect experts
4	New Bauhaus Textiles for the sustainable home	3	18	Review and report from textile and architect workshop

Deliverable (number)	Deliverable name	Q1	Q2	Q3	Q4	Q5	Q6	Q7	Q8
1.1	Report that Schindler's Ark Buildings Saved								
1.2	Digitised old and new buildings								
2.1	6 place-based testimony activities completed								
3.1	Save and Secure Workshop with study on renovation								
5.1	Communication and Data Management Plans updated and finalised								
1.3	Bauhaus textile and testimony materials completed								
2.2	Activities and Exhibits digitised and made interactive								
4.1	Co-design and finalise prototype sustainable housing								
1.4	Exhibition "Starting from Zero" completed								
3.2	Textiles and architects New Bauhaus Workshop Meeting								
1.5	Lifelong Community Learning Centre open								
2.3	Permanent activities installed, piloted and train local guides								
3.3	Open New Bauhaus workshop and 3 new Bauhaus textiles released								
4.2	Finalise modular designs, build 50 in local villages and market to Central Europe								
5.2	Final Impact and Learning Review with behaviour surveys by age, sex, language								

GANTT CHART OF THE MAIN DELIVERABLES

3.5 Critical risks for implementation

Description of risk (indicate level of (i) likelihood, and (ii) severity: Low/Medium/High)	Work package(s) involved	Proposed risk-mitigation measures
Health and or COVID-19 related risk prevents travel and piloting of activities and workshops (medium)	1 and 2	Investments will be made in digitisation and digital media for all exhibitions and activities, so they can take place online and offline.
Transforming historic and ruined buildings, need to secure buildings rapidly (medium)	1	Urgent investments made at start to secure all buildings. Security during the work. Planning authorities, local and regional politicians, and restoration experts already consulted and co-investments made.
Availability of textile and testimony materials for the exhibitions and for the new textiles (low)	1 and 2	Partnerships have been developed with Shoah and Anni Albers Foundation giving privileged access and knowledge transfer. Primary materials will also be generated on textiles, including critically on Otti Berger, and leverage the original Low-Beer family collections on Lucie Rie, Anni Albers and 1920s textiles
Management of multisectoral and multicultural inputs of the project, from textiles, architecture, museums, by age, gender and European languages (low)	1 and 2	Invest in dedicated capacity of local team in each functional area and Meeting Brno community movement. Assess all data disaggregated by age, sex, language to improve program

3.6. Budget Tables

Summary of staff effort (shown for participants, incl shows partners included)

	WP1	WP2	WP3	WP4	WP5	Total Person-Months per Participant
1 Arks	21		48	45	48	162
2 Meeting Brno	36	24	12	12		84
3 Zachor	3	36		3		42
4 Grassi Museum	incl					
5 ENSA, Nancy (Re-FACT)				incl	incl	
6 Smart Textiles, Boras	3		3			6
7 Ekotextil			incl			
8 Norway Museum	incl	incl				
9 Pistoletto	incl		incl			
10 Mikroregion Brnenec				incl	incl	
Total Person Months	63	60	63	60	48	294

‘Subcontracting costs’ items

	Cost (€)	Description of tasks and justification
Subcontracting		

‘Purchase costs’ items (travel and subsistence, equipment and other goods, works and services)

1 Arks		
	Cost (€)	Justification
Travel and subsistence	32,000	European Travel – budget for 40 trips per year at a cost of 400 euros each (train travel 80 plus 4 days at 80 per day subsistence). Total 80 trips at 400=32,000. Managed centrally for all partners, include visits from architects from 5 countries, and regular monitoring meetings. Train will be prioritized for all travel.
Equipment	800,000	Build Museum Lifelong learning building – based on budget accepted for planning permission, completed architectural and facilities plans, sewage, water. 1. Preparation of construction – demolition, sorting of materials, transport, environmental preparation 165k 2. Infrastructure – water, sewage, rainwater, alternative energy – 145k 3. Foundations – excavation, securing of foundations, levelling and building of terraces, distribution lines, supporting columns 240k (this component is undertaken with co-financing of 210k) 4. Structure of building – work on major pillars, masonry, ceilings and glass panels, wiring, security, insulation, floors, 250k (this component is completed with co-financing of 590k). 50% co-financing of the museum building, 50% requested in this grant.
	750,000	Build Prototype Sustainable Homes on the site – A. 10 units at estimated unit cost of 50,000 = 500,000 with co-financing for textile materials. Unit cost 1. Base and infrastructure preparation 7,500 2. Building blocks wood and wool, construction, windows, doors, interior walls 17,500 3. Technology, wiring, electricity, water, sewer, digital controls, wind and solar power 16,000 4. Interior furnishing, flooring, kitchen, bathroom, flooring, furniture 9,000. Based on architecture quote commissioned by Mikroregion Brnenec. B. 40 units in local villages with co-financing of 87.5% by local mayor network Mikroregion Brnenec based on their needs and local budget = 250,000. Co-finance supports local buy-in, investment as part of local priorities and budgets and sustainability.

	329,000	New Bauhaus Textile and Wood Workshop – 1. Creation of textile laboratory with machines 191,000. 3 x weaving looms and one from 1920s = 80k. Non-woven textile machine 60k. Tables, shelves 3k, Projector 2k, Computers 6k. Textile materials 12k. Embroidery machine 8k, Screen printing 10k, other 10k. Based on Ekotextil budget. 2. Wood machines and workshop fitting – 138,000. Installation of 3D woodmaking machine 40k, software 30k, additional tools 20k. Fitting of workshop, security 18k, workstations 27k, kitchen 3k.
	180,000	Permanent exhibition of textiles and testimonies – 1. Textiles 60,000 - use of New Bauhaus textiles as walls and to manage sound, 22k euros. Seats for seminars and visitors 15k euro based on 50 seats at 300 euros, local cost of new Brno chair. Museum Installation 15k, Panels and captions for museum 7.5k 2. Testimonies 120,000 – Screens 12k, Audio 22k, Interactive digital media system to manage audio and video, local quote 60k, Panels and captions 26k.
	45,000	Digital hub electricity and data servers – 1. Installation electricity 15k euro 2. High band width internet hub, and servers for all materials and for the building to respond to changes in heat, light, air pollution 30k euros based on local quote.
Other goods, works, services	150,000	Prototype, test and produce New Bauhaus Textiles – 1. Prototype and produce key textiles to refit Tugendhat Villa 40,000 2. Prototype and produce, wool heat and sound insulation with membrane, and wooden block, 40,000 (prototype and testing 15k, wool 7.5k, wood frame 7.5k, membrane 5k, design costs 5k) 3. Two sided Anni Albers textile 20k 4. Textile window unit 40k. Based on cost estimate by Kubak textiles and review by Smart Textiles, Sweden.
	140,000	Produce and Test Prototype Housing including community co-design – Architecture and design fees 40k, Production and testing 80k, co-design process of individual units and community layout locally and with Re-FACT from 5 European countries 20k. Based estimates with architects, Re-FACT co-finance
	110,000	Secure Schindler's Ark – 1. Urgent repairs to secure roof and windows 60,000 based on Brno architects costing reviewed by Re-Fact 2. Commission materials analysis and restoration plan 22,000. Based on costing report with planning department, Sept 2021 3. Based on report stabilisation of materials and surfaces 28.000, estimate based on consultation. Co-finance Arks Foundation
	93,000	Save Textile Workshop Building – 1. Planning and architecture preparation 25,000 2. Secure roof and main materials of textile workshop 40,000 (co-finance from Arks) 3. Historical and Materials Analysis, including stabilising materials in the interior 28,000. Based on regional university team consultation Sept 2021
	92,000	New digital textile archive – 1. Filming and documentation of all textile samples, Otti Berger 36,000 2. Textile expert to digitise all existing textile samples 30,000 3. Digital and paper publication of all material 26,000. Based on cost estimates with Otti Berger experts, co-finance Arks Foundation
	75,000	Monitoring and Impact Evaluation – 1. Four behavioural surveys 20k 2. Market survey in 4 countries 40k 3. Analysis of all materials and report 15k. This includes digital data on improved energy, light and pollution performance of the use of textile innovations in the buildings.
	38,000	Digitise buildings - old and new (14,000) and Digitise museum to create online visit and activities, and for environmental controls to respond to heat, light, air quality (24,000). Co-financing with Czech funding based on local cost.
	30,000	Marketing New Bauhaus textiles – document, patent, market the New Bauhaus textiles including improved performance data in terms of energy, light, uW and absorption pollution with and without digital controls in the buildings
	18,000	Interactive testimonies – license and install interactive testimonies, develop digital algorithms to question materials. Based on work and budget through Zachor Foundation, with fixed testimony costs paid by Shoah Foundation
Remaining purchase costs (<15% pers.)		
Total	2,882,000	

2 Meeting Brno		
	Cost (€)	Justification
Travel and subsistence	18,000	Piloting activities with Teachers and Students – 4 county pilots with teachers at 1500 per pilot travel and subsistence = 6k. 4 classes of 30 schoolchildren at 3000 per pilot = 12k. Czech Slovakia, Austria, Germany
Equipment	16,000	Installation of testimony wall – installation of interactive testimony wall which displays testimonies on site. Cost budget from Shoah Foundation
Other goods, works, services	129,000	Develop exhibition “Starting From Zero”, transport and installation 1. Prepare materials Anni Albers, Otti Berger, Lucie Rie for exhibition 44k 2. Install and transport exhibition to Brno Museum, Brussels, Leipzig, Sweden and Norway with co-financing 85k
	88,000	Convene textile experts and architects from 5 countries twice yearly – based on two annual meetings and two virtual meetings for 5 countries 80k, and production of summary materials, books, and documentation 8k.
	83,000	New Testimony Materials – 1. Thomas Keneally testimony and research on original material Oskar Schindler in Czechoslovakia 18k 2. Joseph Bau, translation, new 2 nd and 3 rd generation testimonies 22k 3. Arnost Lustig digitise, translate and 2 nd generation 25k 4. Film new testimonies Helen Epstein, Arks 18k
	26,000	Digitisation and online exhibition – of starting from zero exhibition and all art works, textiles and testimonies. Based on Brno estimate.
Total	360,000	

3 Zachor Foundation		
	Cost (€)	Justification
Other goods, works, services	43,000	School curriculum development – consultation (15k), policy advocacy (6k) and development (22k) to include in school curriculums in Central European countries
Total	43,000	

5 Smart Textiles, Boras University		
	Cost (€)	Justification
Other goods, works, services	37,000	Reports and guidance on 1. Smart Textiles – technical assistance on textile laboratory establishment, specifications, processes – 11k 2. Textile Exhibition – to include community threads and Josef Frank materials 26k
Total	37,000	

Table 3.1i: ‘Other costs categories’ items (e.g. internally invoiced goods and services)

Participant Number/Short Name		
	Cost (€)	Justification
Internally invoiced goods and services		

Table 3.1j: ‘In-kind contributions’ provided by third parties

Participant Number/Short Name			
Third party name	Category	Cost (€)	Justification

Each of the participants provide in-kind contributions of time and personnel to the project, including of Eva Lustigova, Daniel Low-Beer, and matching staff time from Zachor, Meeting Brno, Ekotextil, Mikroregion Brnenec, each of the five countries involved in Re-FACT (0.2 FTE per country) and from the Swedish Smart Textiles and Textile Museum (4 months of in-kind participation). They also provide the equipment and products developed so far in all the major objectives, museum contents, testimonies, textiles, including research into insulation, wind and solar energy, and prototype housing plans, to allow the project to be ready now for implementation.



**Löw-Beer & Schindler
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For more information and to contribute contact
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