



United action in search for a new future

Tekniska - an experiential arena
for a sustainable future

TEKNISKA

Tekniska at Royal Djurgården

The National Museum of Science and Technology (Tekniska) is beautifully situated in the National City Park in central Stockholm, close to Gärdet and the water of Djurgårdsbrunnskanalen.

Djurgården is a green island in the heart of Sweden's vibrant capital city, and attracts 15 million visitors every year.



"For 145 years Stockholm has been the home of Ericsson. Throughout that time we have continually changed the world through our innovative technology. Today, our society faces some big challenges – from climate change to digital inclusion to maintaining a global ecosystem. None of these challenges can be addressed without collaboration. Together with Tekniska and our partners we are committed to continuing to shape a better world."

Börje Ekholm,
CEO, Ericsson

The world is complex. We make it understandable.

Tekniska is Sweden's National Museum of Science and Technology. Our aim is to combine a playful approach with a scientific depth in order to stimulate interest in the role played by technology in our society.

Tekniska is a private foundation, and our trustees include the Royal Swedish Academy of Engineering Sciences, the Confederation of Swedish Enterprise, the Swedish Association of Graduate Engineers and the Swedish Inventors' Association. The foundation has received state funding since 1965.



Museum and science center

Two missions:

1. Increase interest in STEM
2. Discuss the role of technology in the societal development

We use history to discuss the future

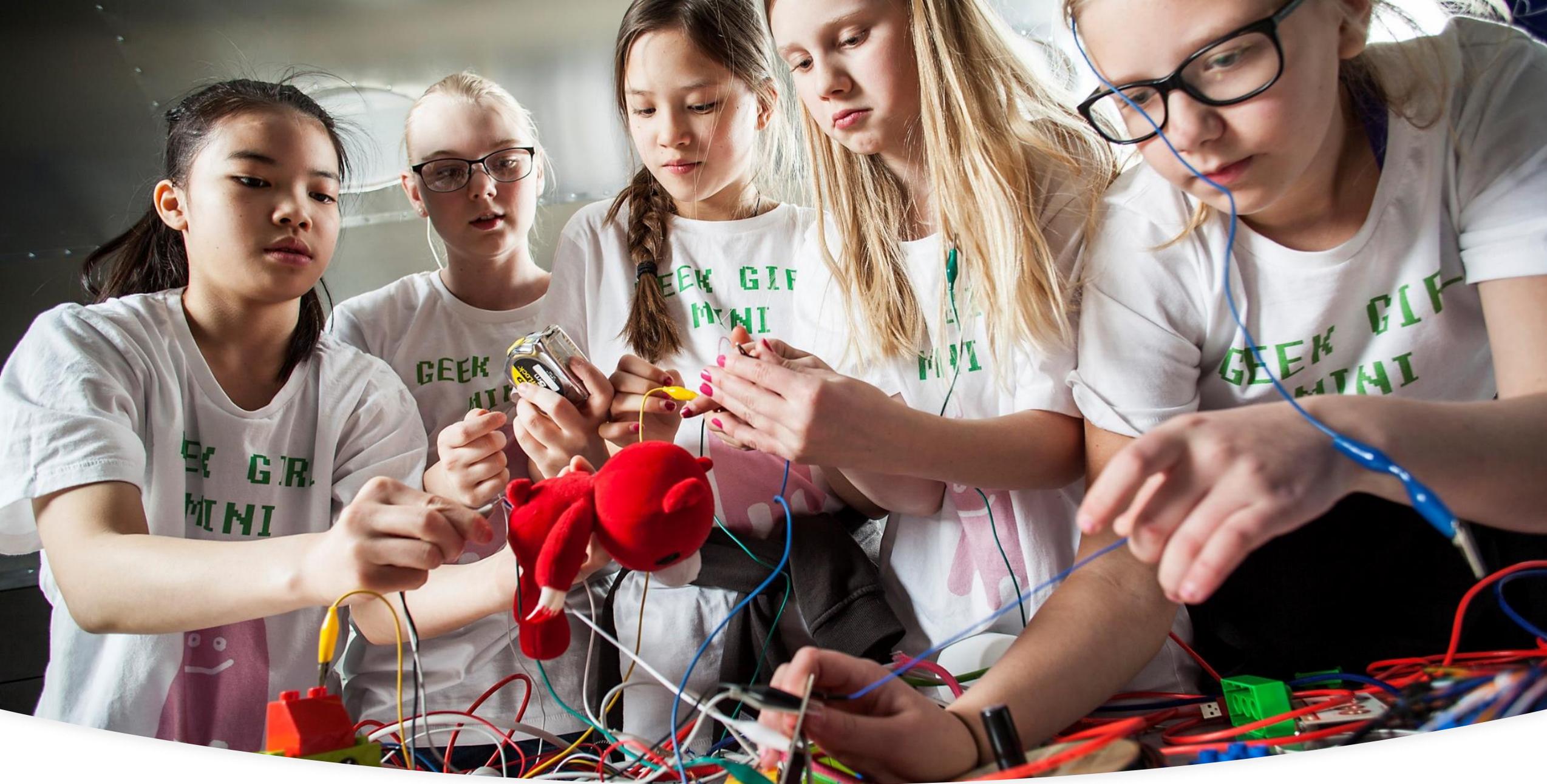




Every little genius
favourite place

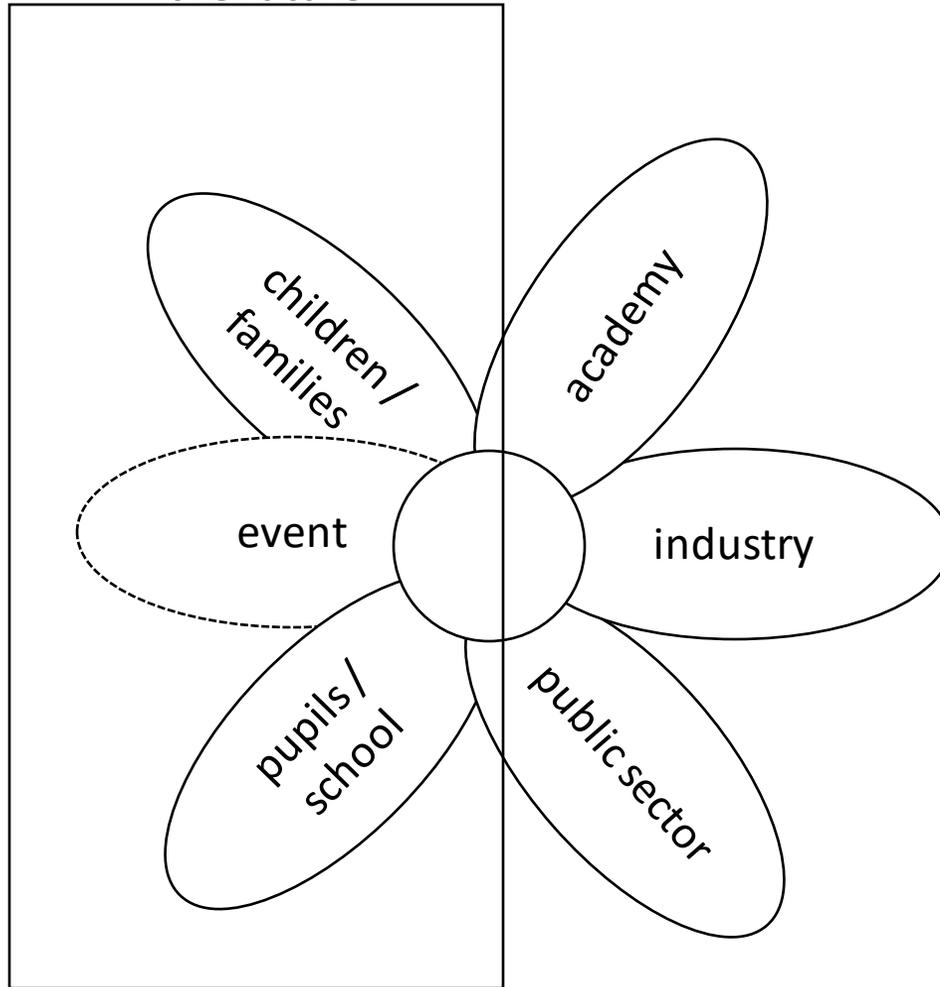








"the future"



+ evening audience



Tekniska Brand platform

Vision:

Innovative drive for a sustainable future

Mission:

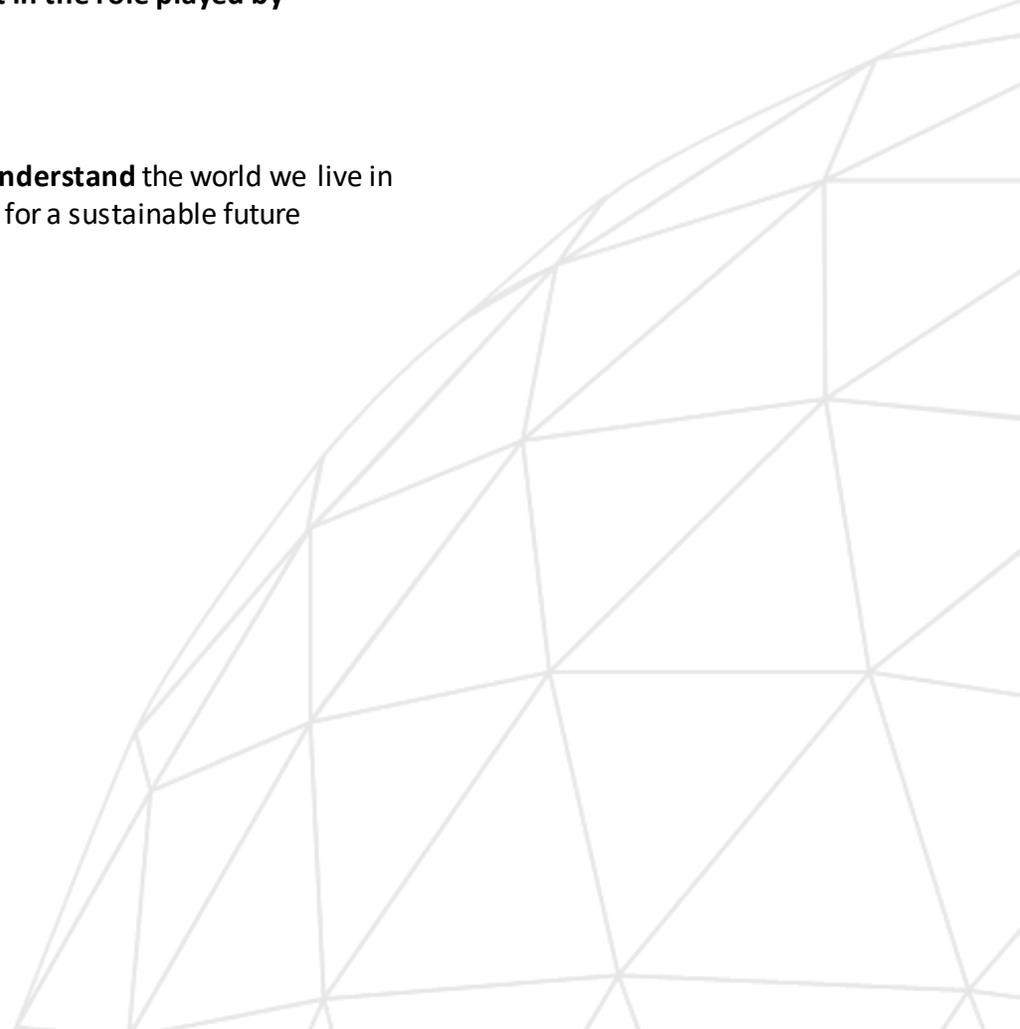
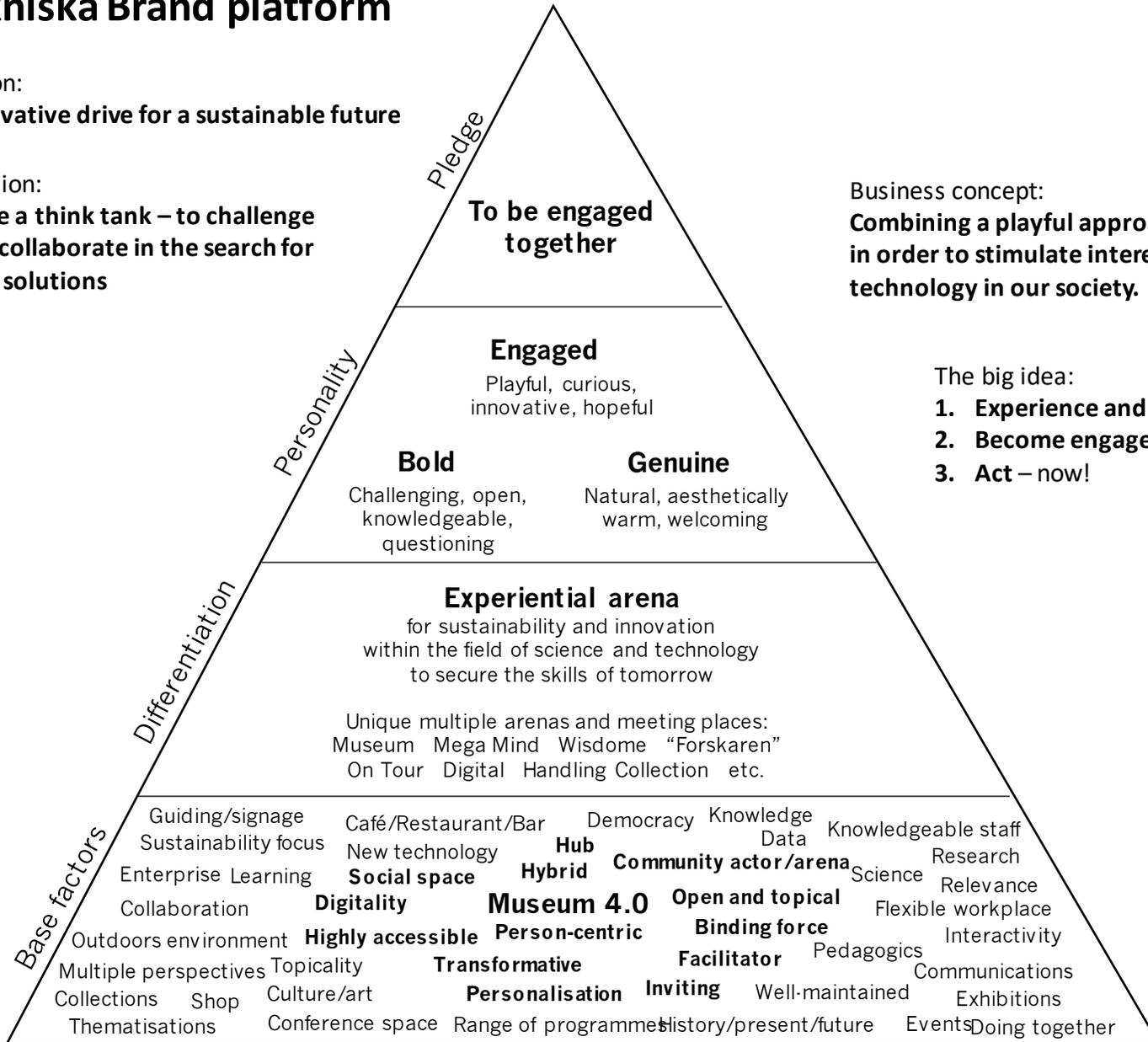
To be a think tank – to challenge and collaborate in the search for new solutions

Business concept:

Combining a playful approach with a scientific depth in order to stimulate interest in the role played by technology in our society.

The big idea:

- 1. Experience and understand** the world we live in
- 2. Become engaged** for a sustainable future
- 3. Act – now!**



GLOBAL CHALLENGES

We are facing many challenges. These can only be overcome by working together.

Research

Schools/
Academia

Business and
industry

The citizens of
the future



“We are incredibly proud to be part of Tekniska’s ambition to engage children and young adults in issues surrounding sustainability. NIBE builds upon a strong spirit of innovation, and it is becoming increasingly clear how important it is that we can secure new generations of innovators in a way that is fun, easily understandable and inviting.”

Gerteric Lindquist,
Group CEO of NIBE Industrier AB
and MD of NIBE AB

Innovative drive for a sustainable future

Innovation and enterprise are strong and positive driving forces that permeate everything we do at Tekniska. They represent important foundations for our commitment and our faith in the future.

Our role is to be a think tank that challenges and collaborates in the search for new solutions. We do this within a broad spectrum of actors from academia, industry and the general public. We identify and formulate concrete problems, and lead creative idea-based processes – all with the aim of achieving a sustainable future.

'Innovative drive for a sustainable future' is a major vision that permeates the entirety of the Tekniska brand.



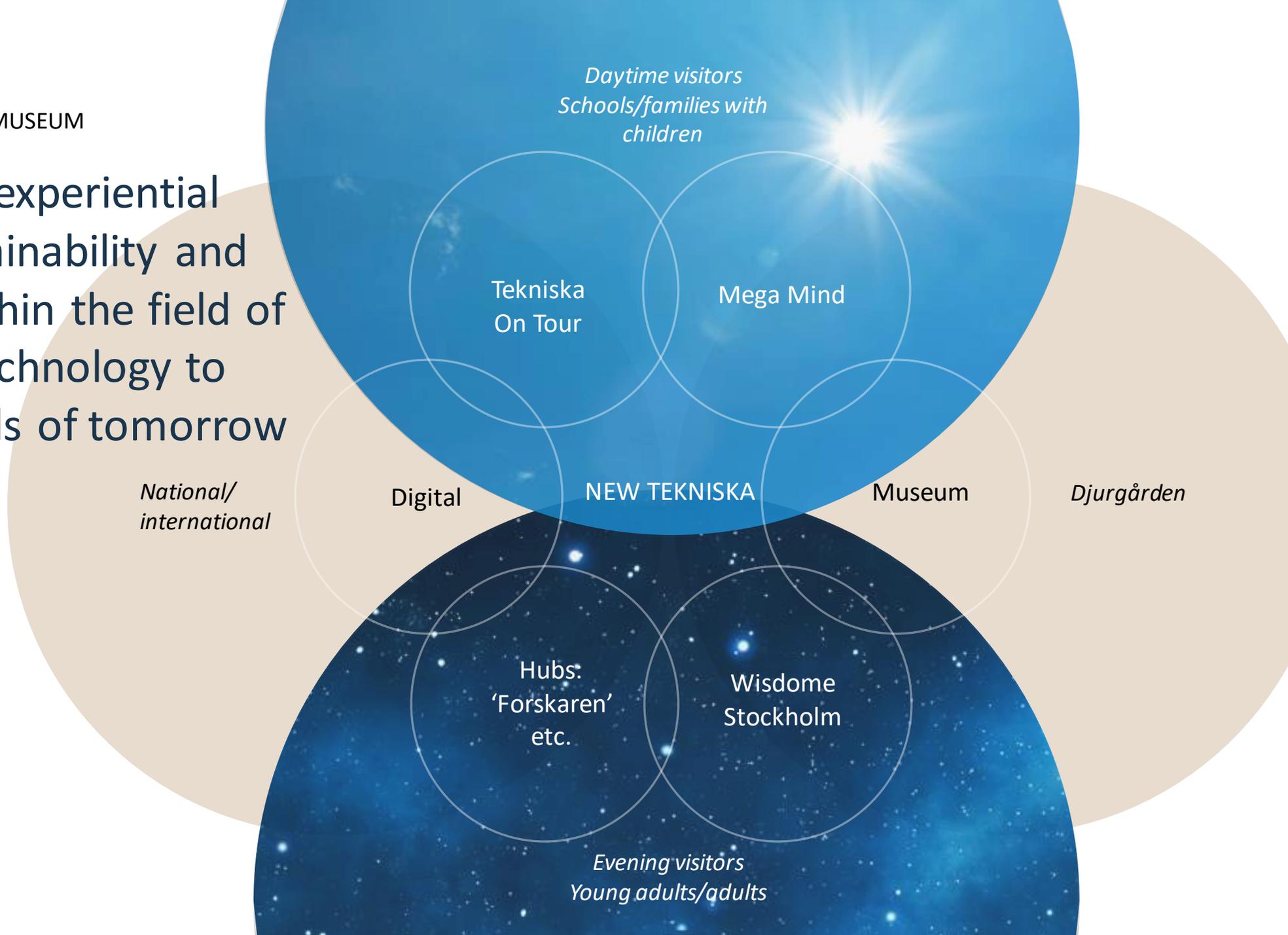
“There is currently a lack of venues where the public can encounter research and innovative ideas from academia and industry – venues that engage children and adults of all ages in our shared future, and that provide new perspectives on the challenges we all face. We aim to be just such a venue.”

Peter Skogh,
Museum Director,
National Museum of Science and
Technology

TEKNISKA – MORE THAN A MUSEUM

Tekniska is an experiential arena for sustainability and innovation within the field of science and technology to secure the skills of tomorrow

Tekniska is an experiential arena that includes many different offerings, networks, meeting places, think tank opportunities and edutainment experiences – both in physical and digital form.



Tekniska's partner structure



Official Partner(s)

Long term co-operations

Innovations Partner

Sustainability Partner

Partners with significant rights



Theme partners

Special initiatives



TEKNISKA
MAKER
TOUR

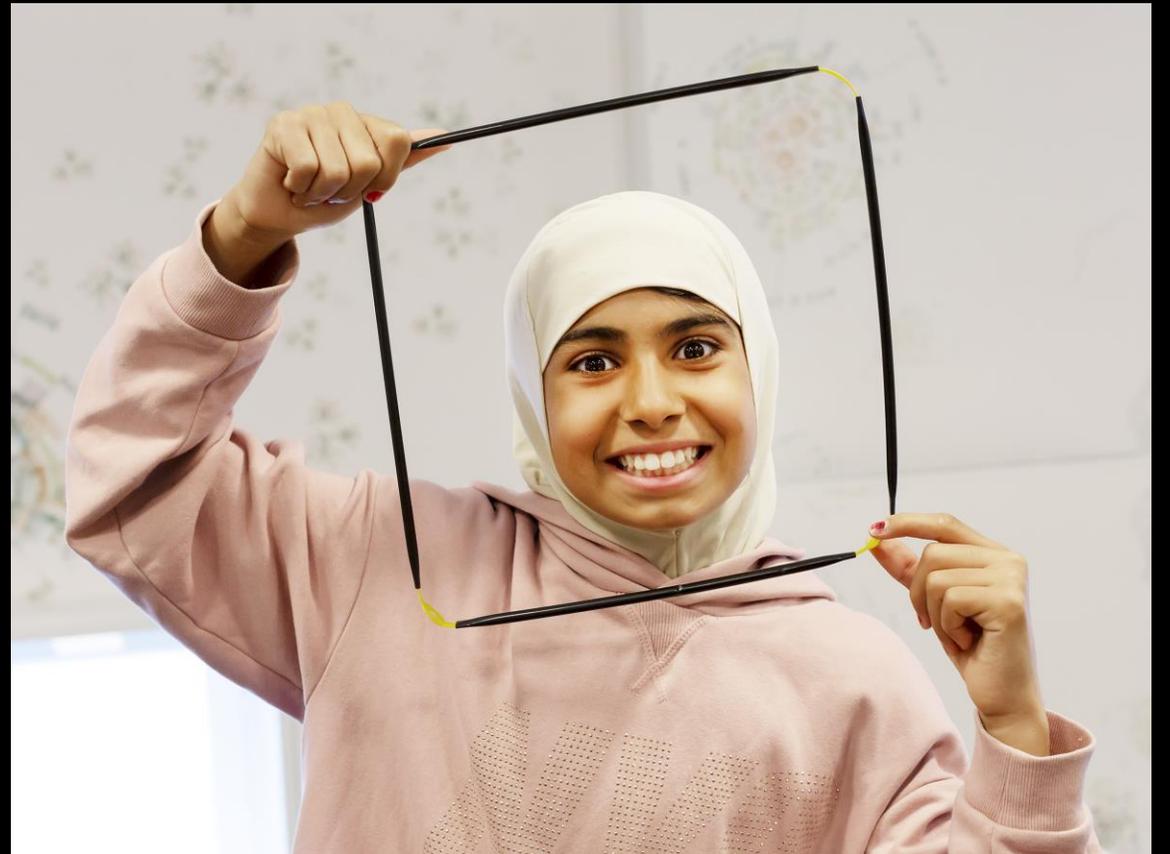
TEKNISKA MUSEET



MAKER
TOUR

Maker Tour x3

MAKER TOUR MOT NYA HÖJDER



WISDOME | STOCKHOLM

Tekniska's new arena

cafe dome

A green and blue robot is shown climbing a large green leaf. The robot has a green head with a large red eye, a blue mouth, and green body with blue joints. It is positioned on the right side of the image, with its legs and arms gripping the leaf. The background is a solid green color with a subtle circular gradient.

WISDOME | STOCKHOLM

Experiences from Wow! to Aha!

WISDOME

A national initiative for a new way to learn, engage and resolve problems

Sweden is facing major challenges with regard to the supply of skills, digitalisation and sustainability. Within the Wisdome consortium, Sweden's five leading science centres and a number of universities and research institutes are collaborating on research, technology, application and didactics in order to find new ways of teaching, engaging and resolving problems. The project has been made possible thanks to an anniversary donation from the Knut and Alice Wallenberg Foundation.



“Wisdome has an ambitious vision: to use an immersive and scientific method of communication to reach out to millions of schoolchildren and students throughout the whole of Sweden.”

Anders Ynnerman,
Professor and Consortium Director,
Visualiseringscenter C, Norrköping



WISDOME

Complex research and breathtaking experiences

Modern scientific visualisation makes it possible to create an understanding of complex relationships, thereby shortening the gap between research and the public.

What makes Wisdome Stockholm unique is the combination of smart visualised scientific data with breathtaking experiences, innovative co-creation and meaningful action for a sustainable future.

We are a think tank, we facilitate conversation, we engage in debate, and we experiment, co-create and solve problems together.





WISDOME

OpenSpace, shows in real time and world-leading visualisation technology

OpenSpace is real time software that is almost magical. Thanks to close collaboration with NASA (among others), it is now possible to conduct guided flights through our solar system, including landing on Mars (for example) in real time, using continually updated real life pictures in 3D. In a similar fashion; visitors can experience the latest research concerning the microcosmos, the climate, AI and digital magic.

Wisdome's visualisation technology will be classed as one of the world's most advanced, with six primary colours (6P), new 3D technology, powerfully bright projectors and superhigh resolution (8K).



“Leaving one’s home planet behind and looking back at it from space, one becomes truly aware of the fragility of life on Earth. And although we can’t all make the journey into space, we can create experiences that are both moving and create understanding. Engaging children and young adults in science and research is among the most important things we can do for our planet.”

Christer Fuglesang,
Sweden’s first astronaut and
Chair of the National Museum of Science and
Technology

UNIQUE BUILDING AND PLACE

World class architecture

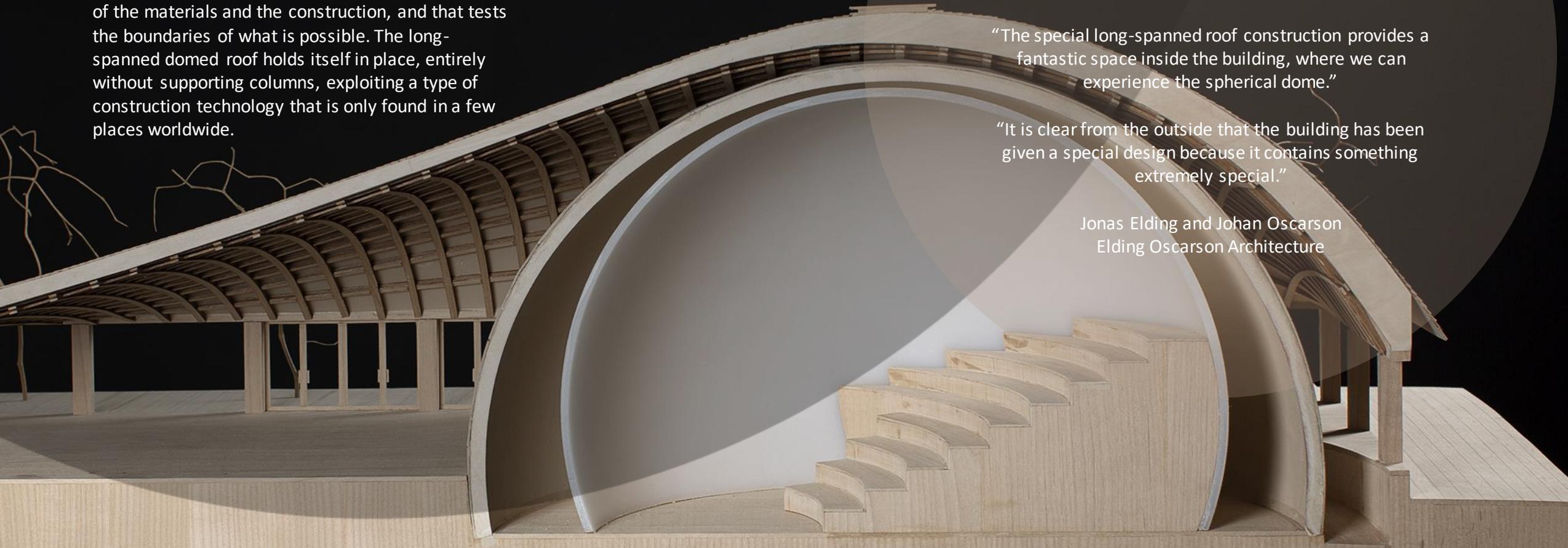
The architectural company Elding Oscarson has designed a building that challenges the properties of the materials and the construction, and that tests the boundaries of what is possible. The long-spanned domed roof holds itself in place, entirely without supporting columns, exploiting a type of construction technology that is only found in a few places worldwide.



“The special long-spanned roof construction provides a fantastic space inside the building, where we can experience the spherical dome.”

“It is clear from the outside that the building has been given a special design because it contains something extremely special.”

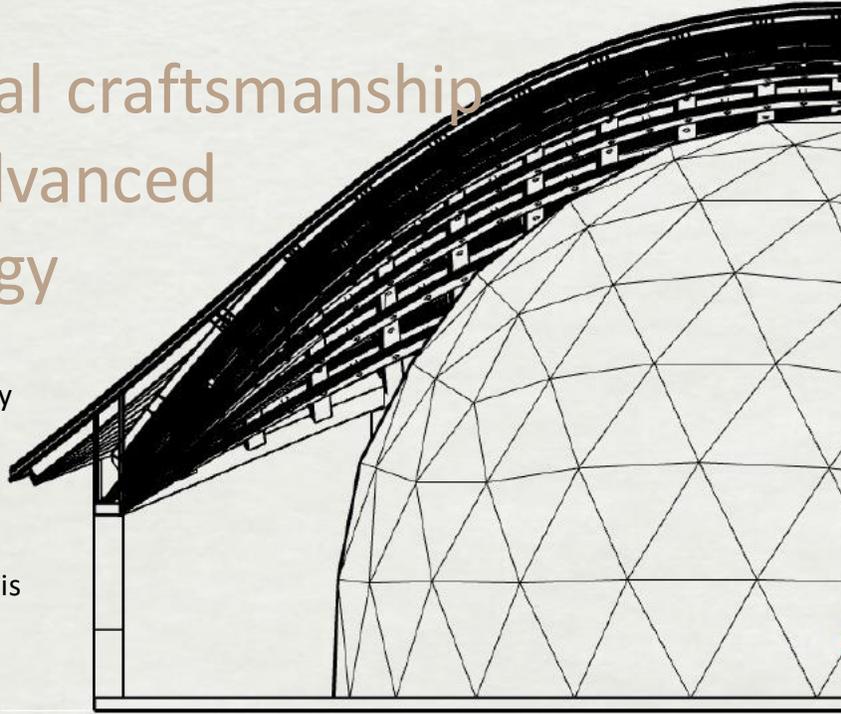
Jonas Elding and Johan Oscarson
Elding Oscarson Architecture



UNIQUE BUILDING AND PLACE

Traditional craftsmanship meets advanced technology

The Swiss wood-construction company Blumer Lehmann has built innovative wooden buildings all around the world. Wisdome Stockholm is one of these.



“This building has all the qualities to become a new landmark in Stockholm. The interesting and innovative content featuring cutting edge visualisation technology, together with a unique and very beautiful wooden building, will be worth making a detour for. Stockholm is now gaining a building with world class architecture, built with the very latest technology in wooden construction.”

Torleif Falk,
City Architect, Stockholm



UNIQUE BUILDING AND PLACE

A new wooden landmark for Royal Djurgården in the National City Park

Building with wood brings new opportunities in the form of a reduction in transports, quieter construction and a more pleasant environment, and, above all, it is more climate-smart. Stora Enso is the official partner for Wisdome Stockholm, and supplies wood products that are to be used sustainably and innovatively. The objective is to create a landmark on Royal Djurgården in the National City Park, which will also become a point of reference for sustainable construction.



“As the leading supplier of renewable solutions and renewable building materials, it is only natural for us to be involved in this journey and to help create the Tekniska of the future.”

Per Lyrvall,
Country Manager Sweden at Stora
Enso



EXPERIENCES

Wow! and Aha! Our big idea:

1. Experience and understand the world we live in
2. Become engaged for a sustainable future
3. Act – now!



“Young people need to be involved more in sustainable technological developments. It is important to communicate what technology actually means in a way that is continual, interesting and powerful.”

Tuula Teeri
CEO, Royal Swedish Academy of Engineering Sciences
Trustee of the National Museum of Science and Technology

EXPERIENCES

1. Experience and understand



Dome presentations and OpenSpace

The dome hosts unique presentations and films where visitors are transported further away, closer to things, and to deeper depths than they have ever been before. Space, the microcosmos, AI and the climate are just a few of the themes. The OpenSpace technology enables visitors to take part in space travel and a landing on Mars, together with a space guide and pilot, in real time. You can meet Christer Fuglesang in Stockholm, Norrköping, Gothenburg, Malmö and Umeå at the same time, when Wisdome's five separate domes are connected.



Explainers

Explainers are Tekniska's own guides, who guide visitors and present information in a way that is personal and stimulates interest. They are often self-confessed nerds within a specialist area, and they speak several different languages.



Music and festivals

Wisdome Stockholm provides opportunities for concerts, preferably with links to research and industry. Experience a symphony orchestra in the wooden hall, or an electropop concert with immersive films inside the dome.



Hackathons

Activities where creative software students and developers, researchers, artists, designers and curious citizens can meet and take part, and create things together. In a hackathon, the participants usually programme/create whatever they want to, often working with specific data or on a specific theme.



“Wisdome Stockholm stands for scientific and cultural experiences that transcend boundaries and that represent a new era with a new way of learning.”

Fanny Söderström-Aupeix
Head of Exhibitions and Experiences,
National Museum of Science and Technology

EXPERIENCES

2. Engage



Climate lab

We enable visitors to see their own climate impact. We analyse relevant data. We sometimes work on the basis of a topical research report, sometimes at the level of "How does this work?" We experiment in the lab, and we create and communicate in studios.



Art Challenge

We invite and challenge artists and creatives to interpret various themes, topical subjects, dilemmas, etc. Often in co-creation with the visitors.



Meet role models, test out different occupations, matching

We invite interesting and knowledgeable role models to present new thoughts and ideas, to talk about their occupations, and provide the opportunity to test out different occupations. We can also match people to jobs in companies, thanks to our broad network within research and industry.



Bar talk

Evening bar with topical and interesting presentations by researchers, entrepreneurs and artists, followed by debates, Q&A sessions and discussions about solutions. Bar talk is often combined with musical or artistic events.



"Visitors to Wisdome Stockholm step inside a portal – into another world. It is an environment for personal exploration and study. Here there is the opportunity to talk about the future and sustainability, and we're not afraid to address these issues in full."

Siri Olofgörs

Educator, National Museum of Science and Technology

EXPERIENCES

3. Act



Think tank

Here we resolve various problems together, with a creative combination of representatives from the worlds of research and business, from the culture and entertainment sector and the general public. Everyone is given the opportunity to take part in research, to express their opinions, and to search for and develop innovative and concrete solutions to major global challenges.



Agenda 2030 – now!

If we are to achieve the goals of Agenda 2030, we must have collective solutions now. We therefore invite various networks and organisations to discuss, interpret and resolve issues concerning sustainable development, and to take action and make a difference for a better future. We also have activities for the very youngest mini-activists. We provide climate missions, workshops and hacks, and we also create collectively in labs and studios.



Sustainability and innovation contests

Challenges and competitions represent effective ways of developing concrete ideas and solutions to diffuse and difficult problems. Working together with industry and researchers, we challenge everyone who has clever ideas, and winners are rewarded with attractive prizes and the chance to realise their ideas.



Museum takeover

We see the museum as an open stage. Sustainability representatives from various organisations, businesses and research environments are invited to become co-creators and use parts of the museum to create their own environments, experiences and events for a limited period.



“Wisdom Stockholm exudes its unique spirit of innovation and sustainability, thanks to a magical combination of science, art, enterprise, music, debate and think tanks. It provides out-of-the-ordinary school experiences, where the focus of the learning is on fun.”

Maria Olsson,
Head of Education, National Museum of Science and Technology

EXPERIENCES

Daytimes and evenings
– with many different
experiences



“Wisdome Stockholm is Tekniska’s sustainability and edutainment manifestation, which changes form between the daytime and the evening. Here fun laboratory work and creative activities come together with facilitating discussions and debates, music, art and culture.”

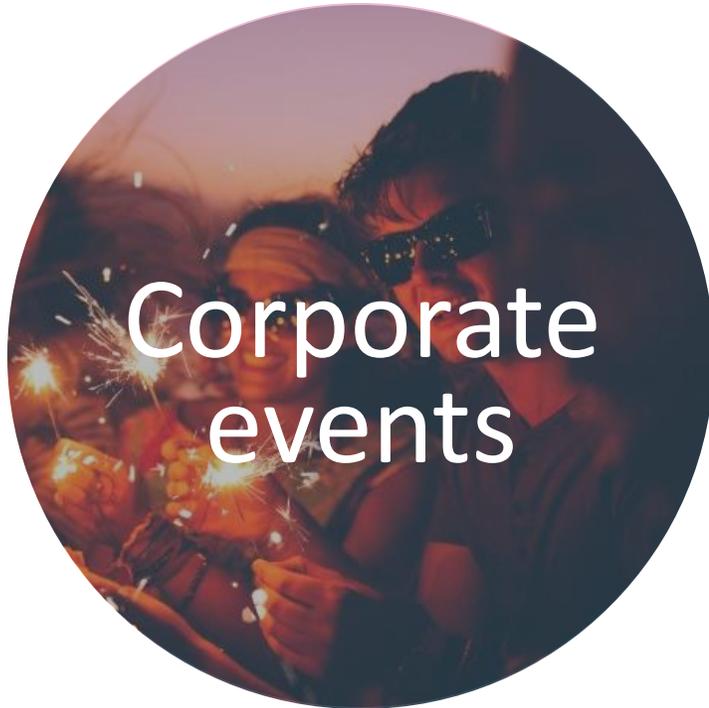
Anki Rundgren
Head of Brand and Communications,
National Museum of Science and Technology

EXPERIENCES

Overarching themes



OFFERINGS



Corporate events: Wisdome Stockholm is a place that is permeated with the spirit of the future and innovation, with a focus on sustainability. The bringing together of unique environments and technologically advanced tools in one place provides new opportunities for successful corporate events.

LECTURES
PRESENTATIONS

USE OF
WOODEN HALL/
COURTYARD

CONFERENCES

FOOD/DRINK
RECEPTIONS
AFTER-
WORK
ACTIVITIES



Schools: Wisdome Stockholm provides technology, applications and didactics for new ways of teaching and engaging – techniques and methods that provide entirely new opportunities for the development of learning and the capacity for problem-solving in a fun and engaged way.

GUIDED TOURS
PERFORMANCES
SHOWS

WORKSHOPS
LABORATIONS

INDEPENDENT
ASSIGNMENTS

COURSES
TEACHER
PROGRAMMES

MEGADAYS
SCHOOL PROJECTS

Timetable

2022

● Construction start: Jan 2022

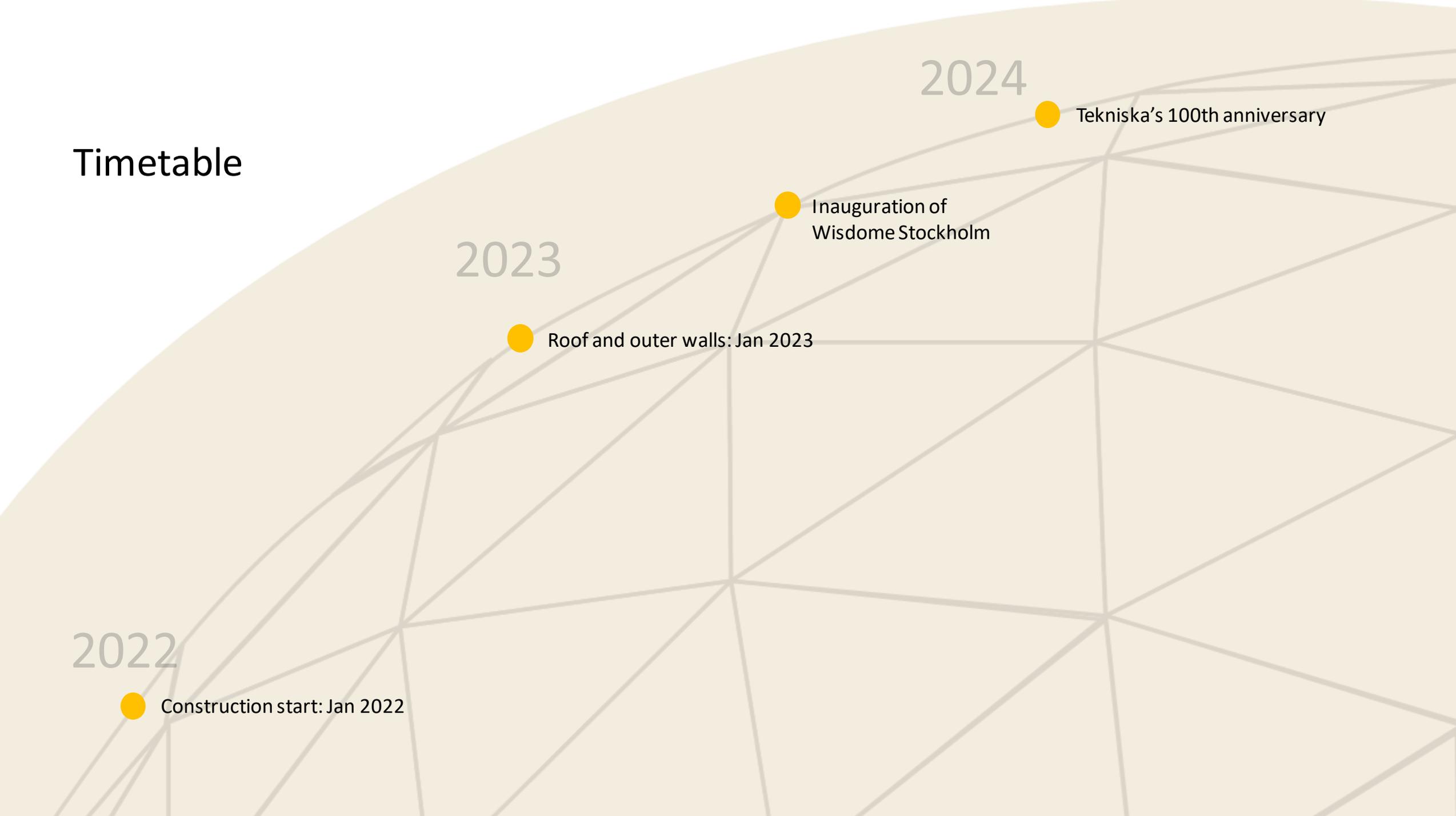
2023

● Roof and outer walls: Jan 2023

2024

● Inauguration of
Wisdome Stockholm

● Tekniska's 100th anniversary



Wisdome Stockholm unites various forces for scientific communication with the aim of increasing interest in science and technology, primarily among children and young adults.

The initiative is financed with Stora Enso as the official partner and Vectura as partner for the project management of the construction, NIBE as the sustainability partner, and Ericsson as Tekniska's official partner. The execution of the project has been made possible thanks to support from the trustees of the Wallenberg Foundations, the Erling-Persson Foundation, Stora Fonden and the Fritz Öst foundation for electrical engineering.



Official partner for Wisdome Stockholm



NIBE

Vectura ✱

**Stora
FONDEN**

W **WALLENBERGSTIFTELSENA**

Partner structure Wisdome Stockholm

Official Partner
Wisdome Stockholm



Partners with
significant rights



Other Partners



ZERO CITY

TOYOTA

Huvudpartner till Zero City

ERICSSON

Huvudpartner till Tekniska museet

NIBE

Hållbarhetspartner till Tekniska museet

Samarbeten:

Mistra SAMS



Naturskyddsforeningen



Övriga samarbeten:

Viable Cities, Drive Sweden, Vinnova, Trafikverket, Stockholm Stad Gatukontoret

Tack till:

Archiv för Schweizer Landschaftsarchitektur, Arvalla AB, Belatchew Arkitekter, Cloetta Einride, Eltra and Sports, Everdrone AB, Grenna museum, Katla Aero, Nature Urbanie, Nordbutiker AB, Nordiska museet, Myrorna, Odlande Stadsbasarer, Ocean Sky, Renewcell, Ride Cake, Siemens Mobilty AB, Terraforme One och Gert Ekström.

Medverkande:

Arkitekt: JAC Studios

Grafisk form: Spektra Design

Väggmoduler och tyck: Eventprint AB, Hamilton Serrander, Gigantprint

Byggproduktion: Redo oü, Enskede Snickeri

Övriga snickeri och byggarbeten: Rikard Fähræus, Amanda Emricson, Mats Rosén, Piotr Liszka, Henrik Jonstrand

Filmproduktion: Spektra Design, Acne, Creo, Anna Gérden, Sebastian Flavet

Ljus och ljudinstallationer: Lumination of Sweden

Interaktivitet: Elinc, Hanter Ingenjörsteknik AB, Kalmar Mediespecialist, Prup Specialhantverk, Spree AB, The Jay, Transpond, Ucity, YIPP, Anders Klingmark, Andreas Rauherz, Björn Camitz, Fredrik Strid, Klas Nyström, Marko Klemetti, Michael Schleu, Patrik Ovist, Patrick Dallard, Rolf Schuurmans

Musik: Johannes Persson Burström (ballong), Sebastian Flavet (dansmatta)

Föremålshandtering: MTAB, Chris Hinchcliffe, Jan Forsgren, Ola Marklund

Översättning: Glyn Winter

Projektteam:

Projektledare: Lars Paulsson

Producenter: Emilie Sabel och Lydia Putkinen Tappert

Byggledning: Michael Schleu

Kommunikation: Sebastian Flavet

Research: Peter Du Rietz

Pedagogik och program: Siri Olofgörs och Linda Sandberg

Praktikant: Karin Hellqvist



Partner structure

Zero City

Official Partner(s)
Zero City



+



Official partner
to Tekniska



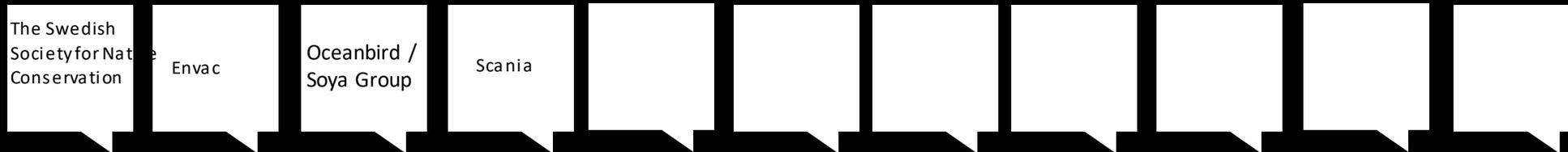
Sustainability
partner to Tekniska



Innovations partner
to Tekniska

Partners with
significant rights

Co-operation Organisations



Forskaren

- focus on life science



Partner structure Tekniska at Forskaren

Official Partner
Tekniska at Forskaren

Vectura ✱

Partners with
significant rights


ERICSSON

Other Partners

Key messages

- Take action
- Make good use of your assets
- Cooperate in depth
- Share a commitment
- Strive for higher values together

PHOTO CREDITS

Picture sources

1. _____ Getty Images
2. _____ Anna Gerdén, portrait: press image, Ericsson
3. _____ Getty Images
4. _____ Anna Gerdén
5. _____ Tekniska museets arkiv, Anna Gerdén
6. _____ Per Forssberg
7. _____ Creative Commons Licence
8. _____ Anna Gerdén
9. _____ Ellinor Algin
10. _____ Illustration: Tekniska museet
11. _____ Anna Gerdén
13. _____ NASA, portrait: press image, NIBE Industrier AB
14. _____ Getty Images, portrait: Anna Gerdén
17. _____ Anna Gerdén
18. _____ Anna Gerdén
19. _____ Elding Oscarsson
20. _____ Getty Images
21. _____ Press images, Elding Oscarsson, portrait: Ristenstrand
22. _____ Getty Images
23. _____ Getty Images, portrait: Anna Gerdén
24. _____ Wooden model: Mårten Ubbe, Nyréns Arkitekter/Anna Gerdén, portrait: press images, Elding Oscarsson
25. _____ Swatch Ltd, Morley von Sternberg, portrait: Press image, City of Stockholm
26. _____ Elding Oscarsson, portrait: press image Stora Enso
27. _____ Getty Images, portrait: press image, Royal Swedish Academy of Engineering Sciences (IVA)
28. _____ Getty Images, portrait: Anna Gerdén
29. _____ Getty Images, Art Challenge: Anna Gerdén, portrait: Anna Gerdén
30. _____ Getty Images, Museum takeover: Anna Gerdén, portrait: Anna Gerdén
31. _____ Getty Images, portrait: Anna Gerdén
32. _____ Getty Images
33. _____ Getty Images
35. _____ Elding Oscarsson
37. _____ Anna Gerdén
39. _____ Illustration av: Vectura/3XNGXN