



LUTO
Innovative lighting with a soul

Projects

Mikko Kärkkäinen

CEO & Designer

I live from creativity, inspiration and innovativity. I believe that lighting should provide long-lasting enjoyment. This is what Tunto has been about since the beginning: we create innovative lighting with a soul, combining wood and true craftsmanship with the latest technological advancements.

I'm extremely proud of Tunto – the company that I've had the privilege to create and nurture with the best of talent around me. Over the years I've had the honour to receive several international design awards and acknowledgements for our products. I've also been awarded with the Finnish State Award in Design. But I've also been lucky to have been able to train skilled employees and see them grow to be the Tunto talents they are today.

Introducing Tunto's innovative project work

In this brochure I wish to showcase some of Tunto's most important projects, and also shed light on the way we work – especially when helping realize the visions of the best architects and designers in the world.

We want to be a solid partner for a clients – someone who they can trust to be able to solve the challenges of innovative lighting, and come up with lamps and lights with which interior architects and lighting designers can fully unleash their most innovative visions.

We have set the bar high at Tunto. We strive to evolve into an even better lighting manufacturer. One of the most interesting aspects of our work is to figure out how we can further develop our company and what kind of solutions and possibilities Tunto can offer to designers, architects and all our clients.

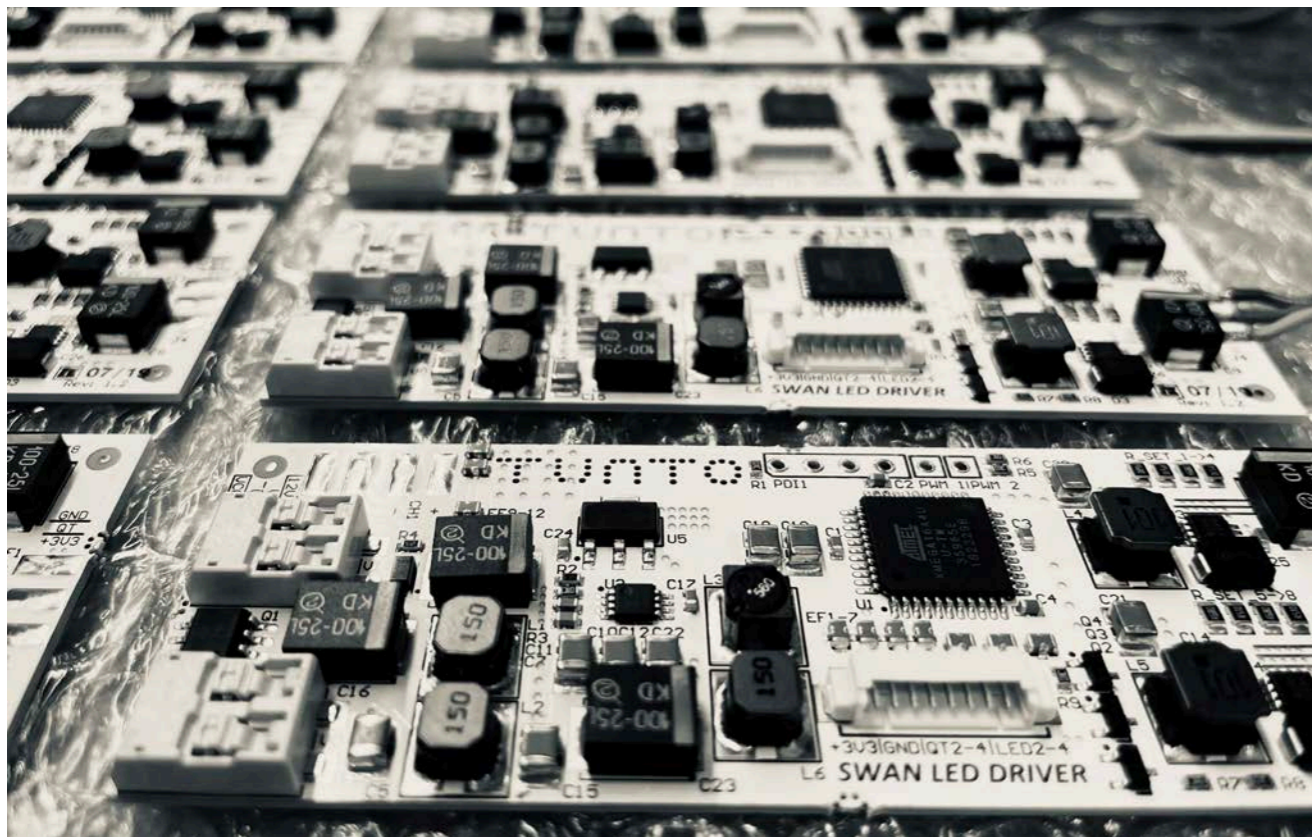
Welcome. Join us on this journey in creating innovative lighting with a soul.



Feeding creativity with wooden materials and the latest technological innovations

Tunto creates innovative new lighting concepts that combine wooden materials with the latest technology. In close cooperation with architects and lighting & interior designers, we develop solutions that respond to individual needs, in order to realize the desired visions in any space or interior.

With our extensive knowledge in woodworking, along with our technical expertise in creating innovative lighting, we help to accomplish the visibility and functionality of any design, from initial ideas to a practical and sustainable implementations.



TUNTO



Projects



TUNTO



A comprehensive approach

Our projects are often very comprehensive, encompassing numerous phases from start to finish. We start with lighting design, which then guides us in designing and manufacturing the required lights and lamps. In some cases we also take responsibility of the installation work.

The heart of our work is the Tunto production plant, where we constantly develop new ways of working with wood and combining state-of-the-art electronics with wooden materials.

We are experts not only in lighting design and using different materials, but also in utilizing advanced LED technology, light control systems and other latest technological advancements.

Our extensive knowledge and years of expertise makes us a comprehensive and flexible partner who is able to achieve the desired result.

Projects



A dynamic network of experts

From testing, research and development to actual full-scale project work, there is a lot of cooperation between Tunto and numerous talented and highly-skilled industry professionals and subcontracting partners, who all have their significant roles in a project.

The creation of our own, dedicated production and partnership network has required a lot of planning, time and resources – as well as countless tests and trials.

Utilizing this valuable network is an essential part of our project work. It does not always end up on shiny brochure pages – but it is an absolutely vital prerequisite for the success of any project and products.

Supercell Office Building

Helsinki, Finland

Supercell is an internationally-renowned game development company from Finland – a modern-day success story in global entertainment. They built a completely new, unique office building in Jätkäsaari, Helsinki as part of the large Woodcity complex.

Tunto's biggest and most significant project to date

In this remarkable project we were able to demonstrate the full potential of Tunto and all our partners and subcontractors. Tunto's involvement in the project lasted two years. During this time we got to collaborate with the best in the construction and lighting industries. Seamless and open teamwork between the client and various operators was a key factor to the success of the project.

Project responsibilities

Anttinen Oiva Arkkitehdit: Architecture

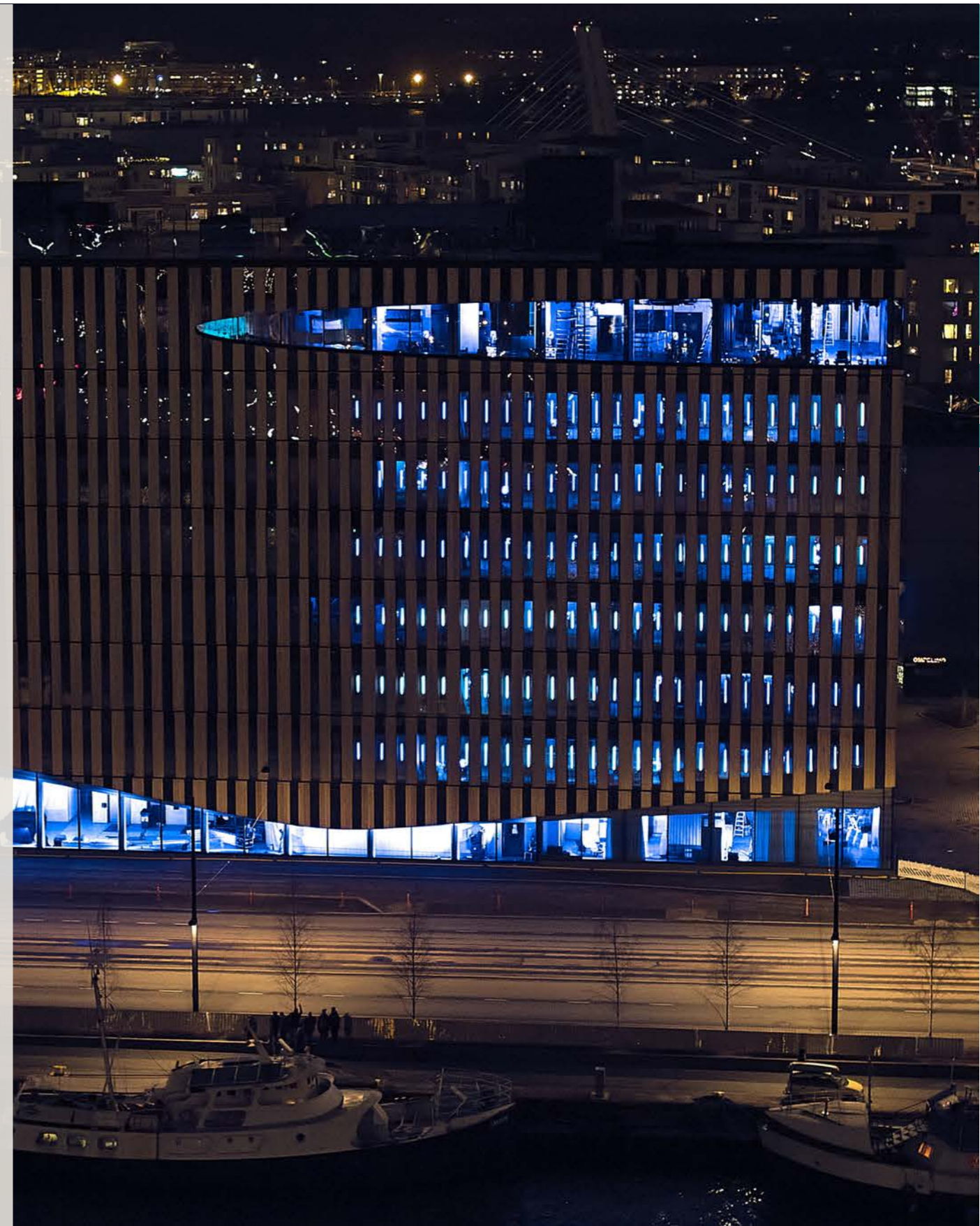
Valoa: Lighting design

Audico: Audiovisual solutions

SRV: Construction

TUNTO: Lighting solutions

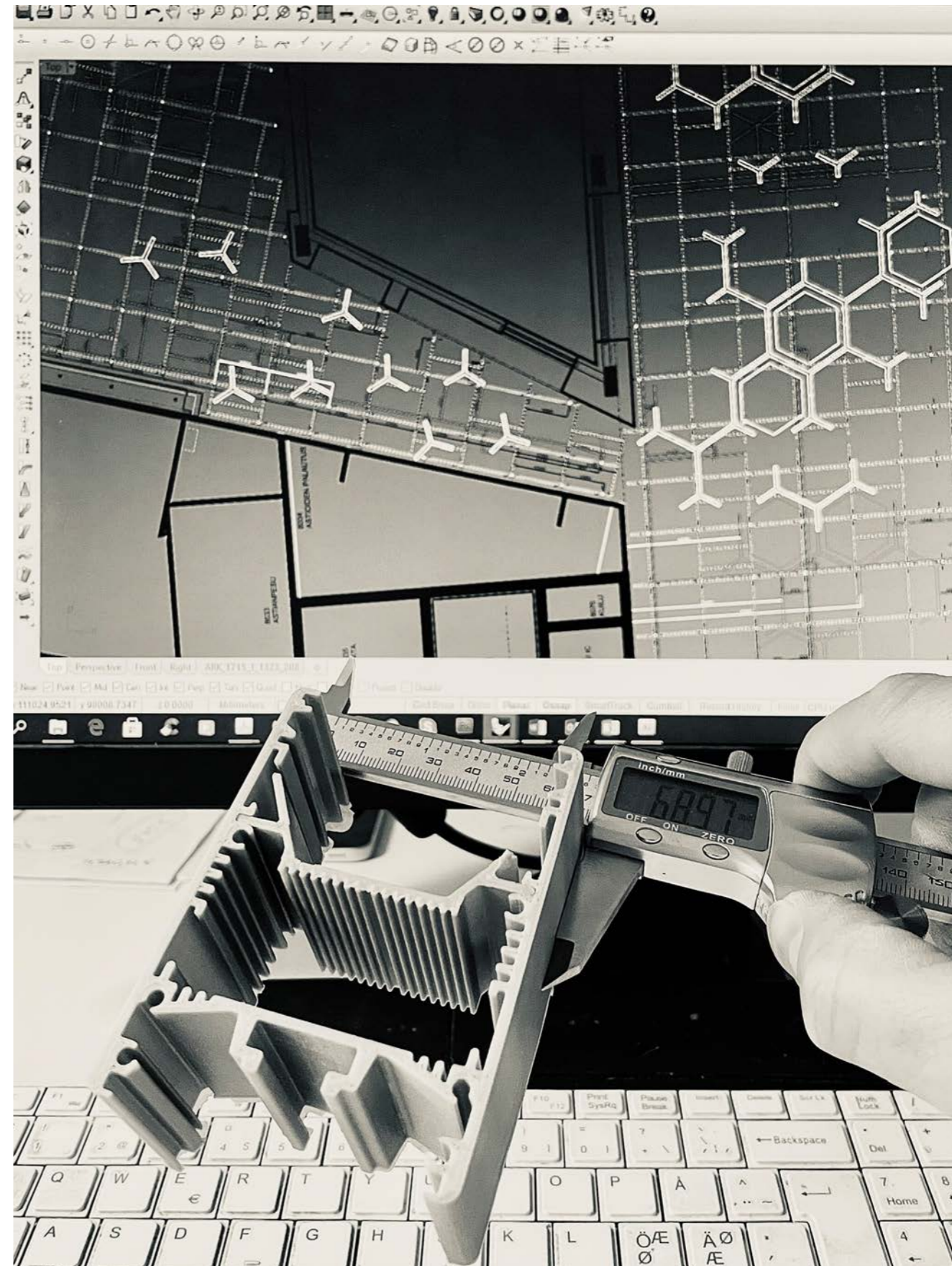
Pasi Salminen: Supercell Photographer



Showcasing our wide range of skills

The Supercell project saw Tunto as an important part of an extensive team. We acted as the dynamic and creative link between various professionals and fields of expertise in the team, which included the client, architects, lighting designers, interior designers, builders, lighting control designers and implementers.

We came up with numerous solutions aimed at seamlessly combining lights and lighting solutions, aiming for a flexible and modular design. We wanted to ensure the longevity, reliability and conversion flexibility of all solutions. Conversion flexibility is one of the important themes in the creation of the whole Supercell building.



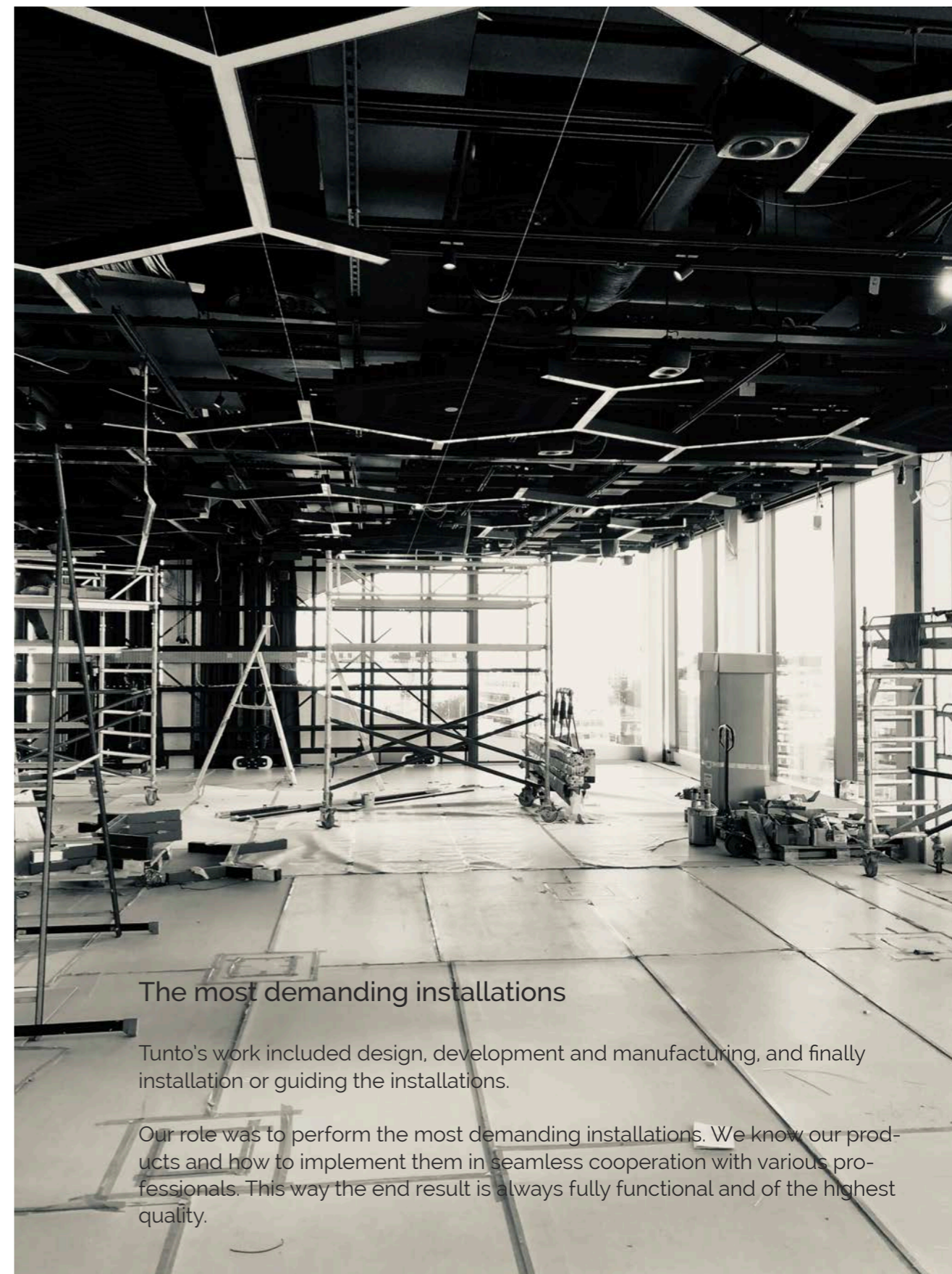
Tunto expertise at its best

During the project the Tunto designers, carpenters, electronics experts and electricians were able to create and implement various solutions that brought together different aspects of the project.

We were able to utilize our years of expertise and extensive network in implementing the best possible solutions, in order to bring together the visions of various parties.

"We were an essential part of the project team, combining different aspects into a functioning whole."

-Mikko Kärkkäinen



The most demanding installations

Tunto's work included design, development and manufacturing, and finally installation or guiding the installations.

Our role was to perform the most demanding installations. We know our products and how to implement them in seamless cooperation with various professionals. This way the end result is always fully functional and of the highest quality.

Seamless and successful collaboration

As part of this huge project we were able to showcase the full potential of Tunto: our design expertise, high-quality technical expertise and an extensive and diverse professional subcontracting chain, stretching from Finland to England, Latvia, Taiwan and China.

We were a significant, complementary part of the whole project team, serving the various project parties comprehensively, all the while staying on schedule and delivering any necessary additional orders.

Challenges cannot be avoided in a project of this scale. We are proud to have been able to provide solutions in a variety of situations across boundaries and areas of responsibility. As the project progressed, the mutual trust between Supercell and the various experts increased, enabling for creative solutions to ensure the success of the project.

Tunto not only implemented lights for the project, but also carried out numerous technical solutions: as an example, our state-of-the-art, aesthetically pleasing power supply boxes were used to connect also other lights in the building. Our every product has passed EMC testing to ensure that they do not create interference in any situation. Quality is evident in all component choices: the latest technology, the highest quality, non-flickering and non-glaring – and more.



All meeting rooms were equipped with Tunto's large lighting units with adjustable Tunable White lights. They are made with our 70x90mm woodcoated profiles and microprism optics.

We also created and installed the TV backlights. We came up with a way to integrate them with the aesthetics of the TV devices – almost as if they were factory-designed.



We created various hidden linear, indirect lights for various spaces of the building.



To enable and resolve.

Many solutions are not immediately visible, but require a lot of innovation and coordination to make them work in subtle harmony with the space.

For the kitchens on the different floors we implemented long linear luminaires embedded in wood.

Several kilometers of Tunable White and RGBW LED strips were used throughout the building, created by Tunto for this purpose. We also implemented control boxes and wiring for controlling the strips.

We also developed an installation method for floor lamps from another manufacturer, in accordance with the wishes of the lighting designers. We also implemented Tunto-designed collars for these lamps.

This is an important part of our way of working. Our role is to enable and resolve. If a lamp or light fixture is not designed by us, we find a solution to match it with the desired end result.

Customized, fully-adjustable office lights

Tunto implemented almost five hundred lights on five different floors of the new magnificent office building.

As the office interiors were inspired by the design language of the building's airy and curvy architecture, we also wanted to bring these features to the design of the lights as well

Our custom-made Cell Pendant lights – designed for Supercell's special needs – are optimized for display terminal work. The lights are dimmable, their color temperature is adjustable and they offer a high quality of light.

The creation and implementation of these unique lights allowed us to utilize not only our whole range of expertise, but also our extensive global supply chain.



The Cell Pendant's double optics enable two-directional lighting: the upward light creates an extra sense of space. The body of the light is lacquered ash and dyed black ash veneer.

The lights were finished with switches that feature Supercell's logo and graphic style on them.





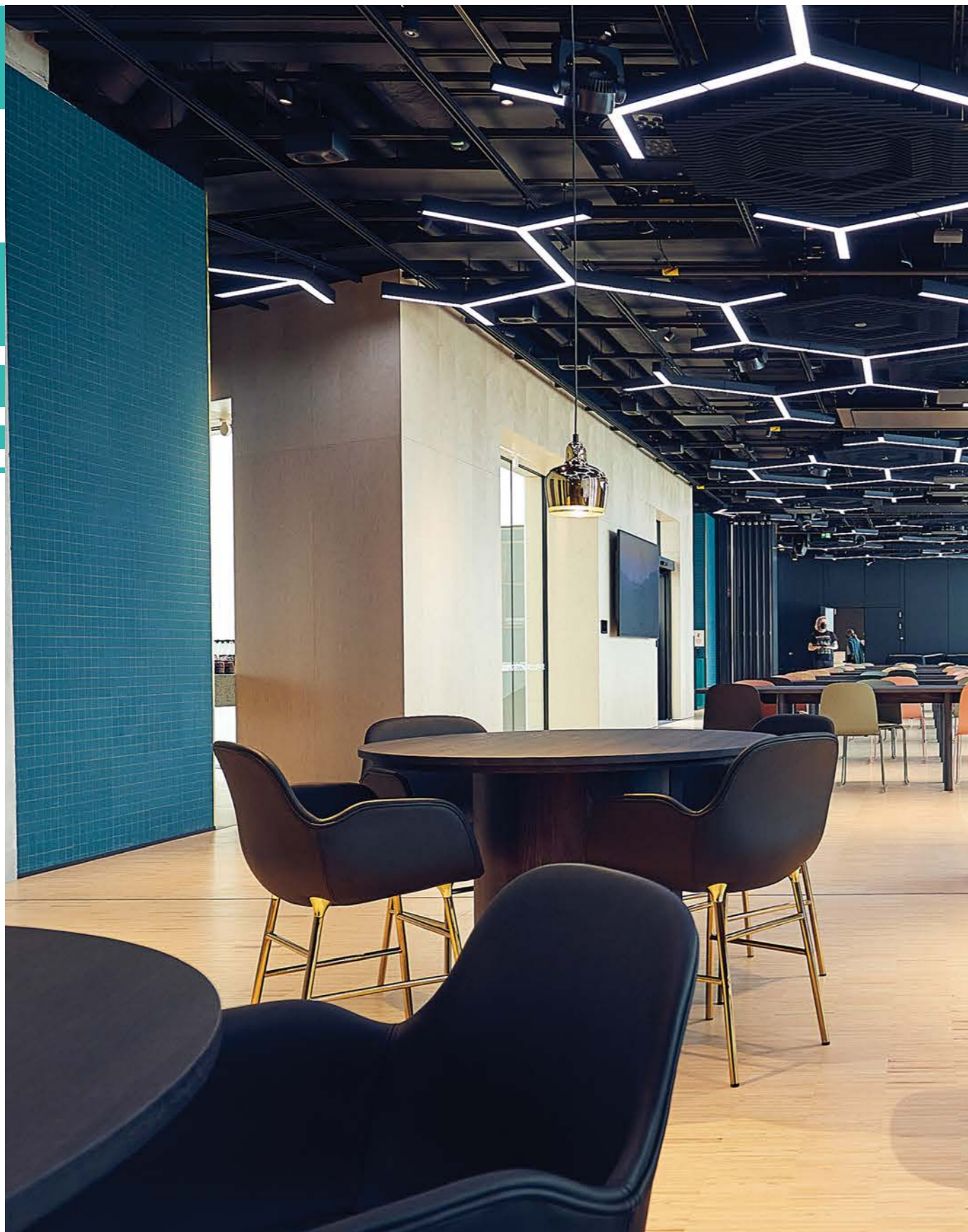
The Cell Pendant lights were designed to be fully adjustable and modular, and even their hanging method was developed according to Supercell's needs. This way any future interior changes are possible using the same lights.



Every part of the light is specially designed and manufactured, from custom frames to the innovative aluminum profiles. The wooden parts were made into their own molds and pressed and machined at the Tunto factory.







Unique and special part of the project

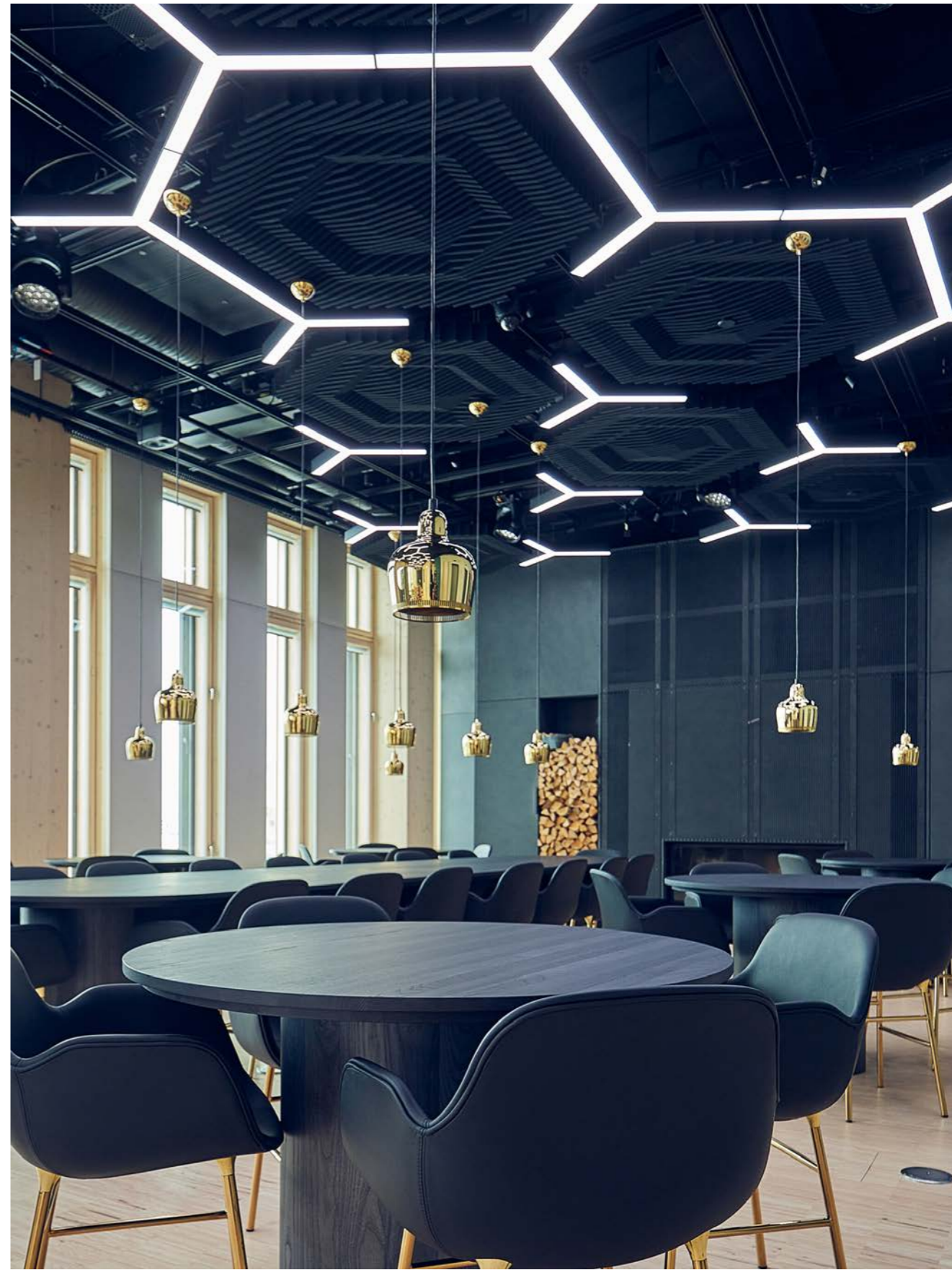
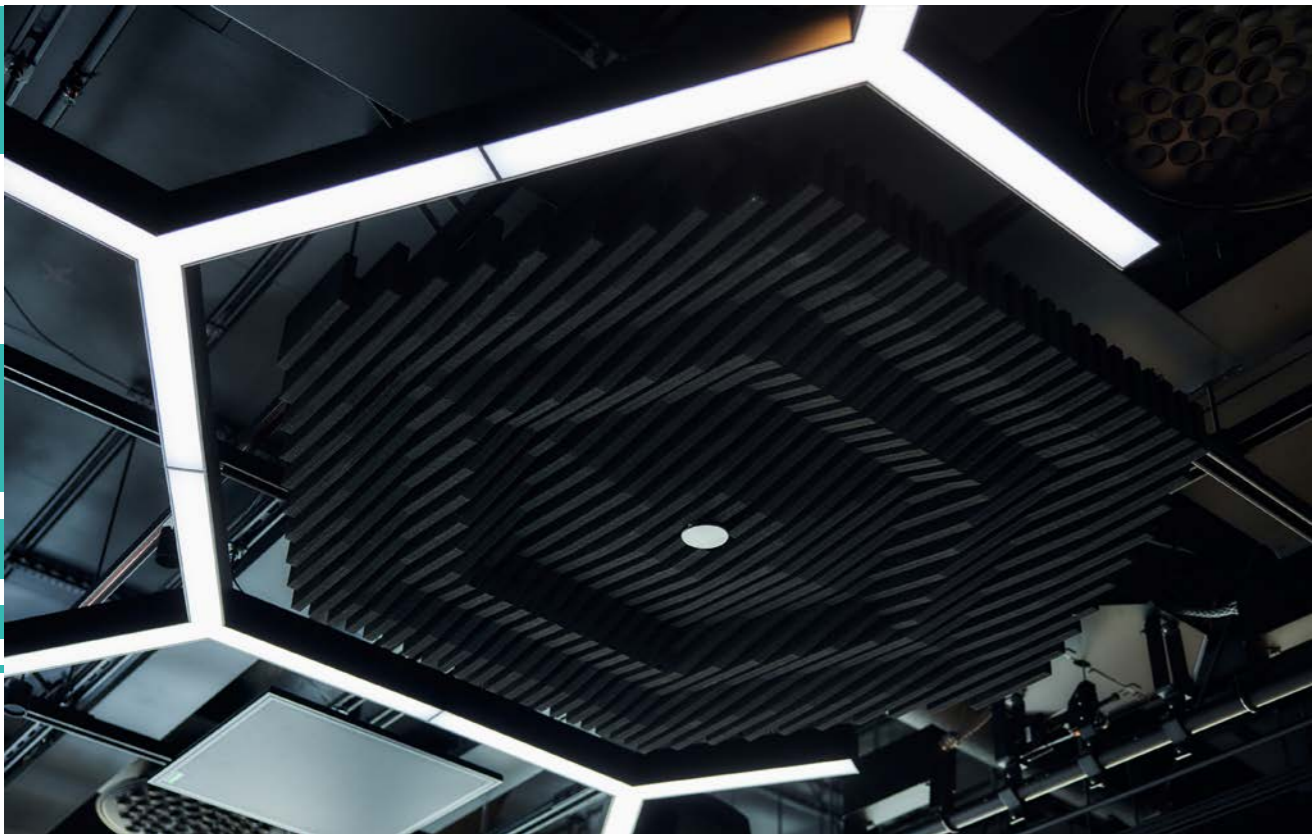
As a unique and special part of the project, a massive hexagon-shape light was implemented on the top floor of the building, illuminating a space of 660 square meters.

The structural requirements for the roof were demanding: the needs of extensive performance and building technology had to be taken into account. Tunto was also responsible for the demanding installation work.

We had to design our own specific tools for the construction of the light, which has its own customized profiles. The aluminum profile is coated with black stained oak veneer. The lighting is fully programmable according to the needs of different events and the room's presentation technology.

We utilized the same technology and profile model to create the ash-coated conference room lights for every floor of the building. The conference rooms lights have a maximum length of 7.5 meters and their light intensity and color temperatures are adjustable.

This impressive pixel-programmed Hexagon light can be seen as part of the Helsinki street view from both sides of the building. The design was carried out in collaboration with an architect and a lighting designer.











"I am very pleased with the outcome of this massive project – and the way we were able to showcase our full potential. This was a model example of our expertise and what a flexible and professional subcontracting network can achieve. As the evening falls, a light from the building's windows can be seen on the streets of Helsinki. We can be proud that it is the result of our hard work. Thank you Supercell and our partners for your trust. We made it!"

Mikko Kärkkäinen, CEO and Designer

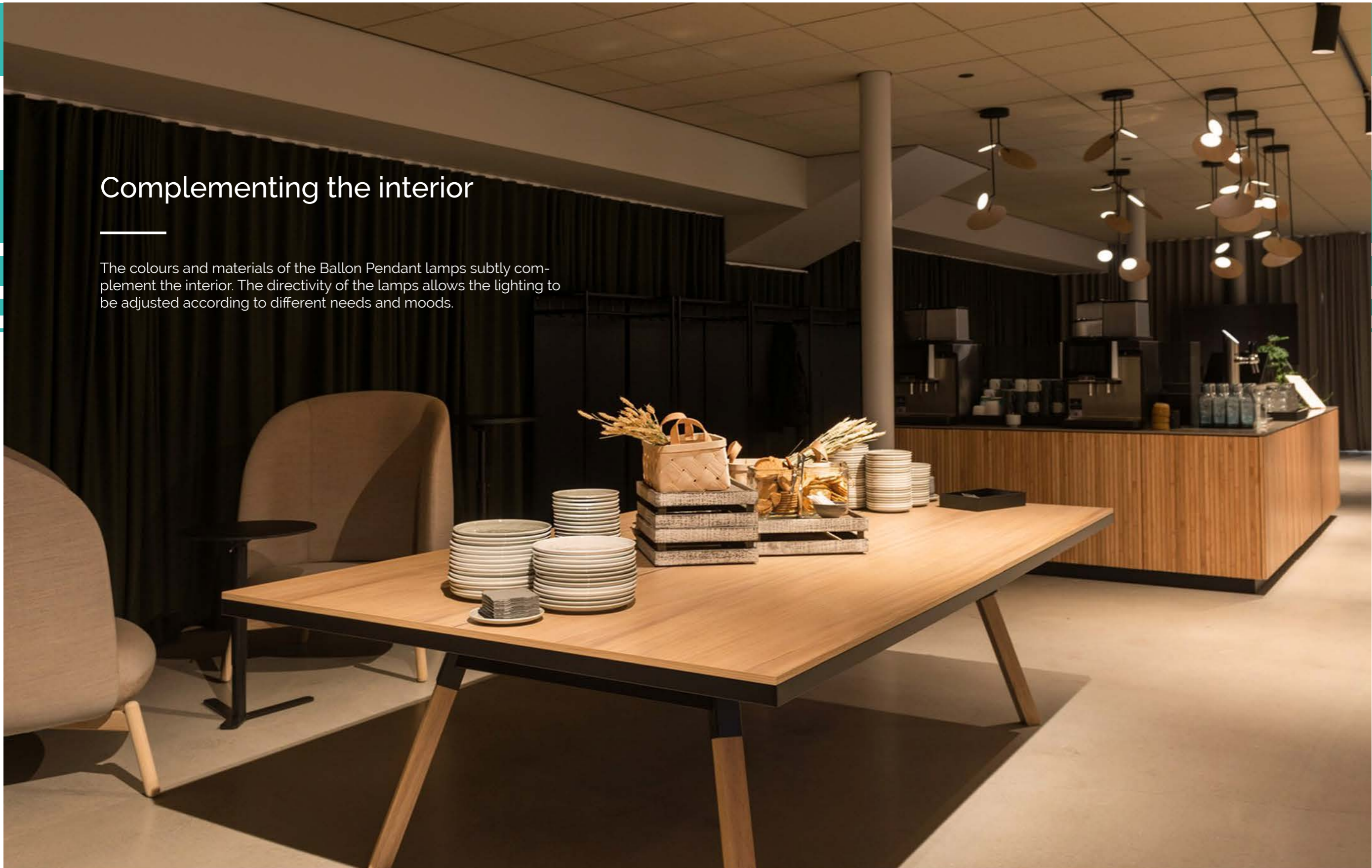
Valo Work Office Hotel Helsinki

Valo Work offers inspiring office spaces for rent for various needs. Through our partner Modeo, the Tunto Ballon Pendant lamps were selected to complement the office hotel's exquisite wooden counter to bring softness and airiness to the minimalistic interior.



Complementing the interior

The colours and materials of the Ballon Pendant lamps subtly complement the interior. The directivity of the lamps allows the lighting to be adjusted according to different needs and moods.



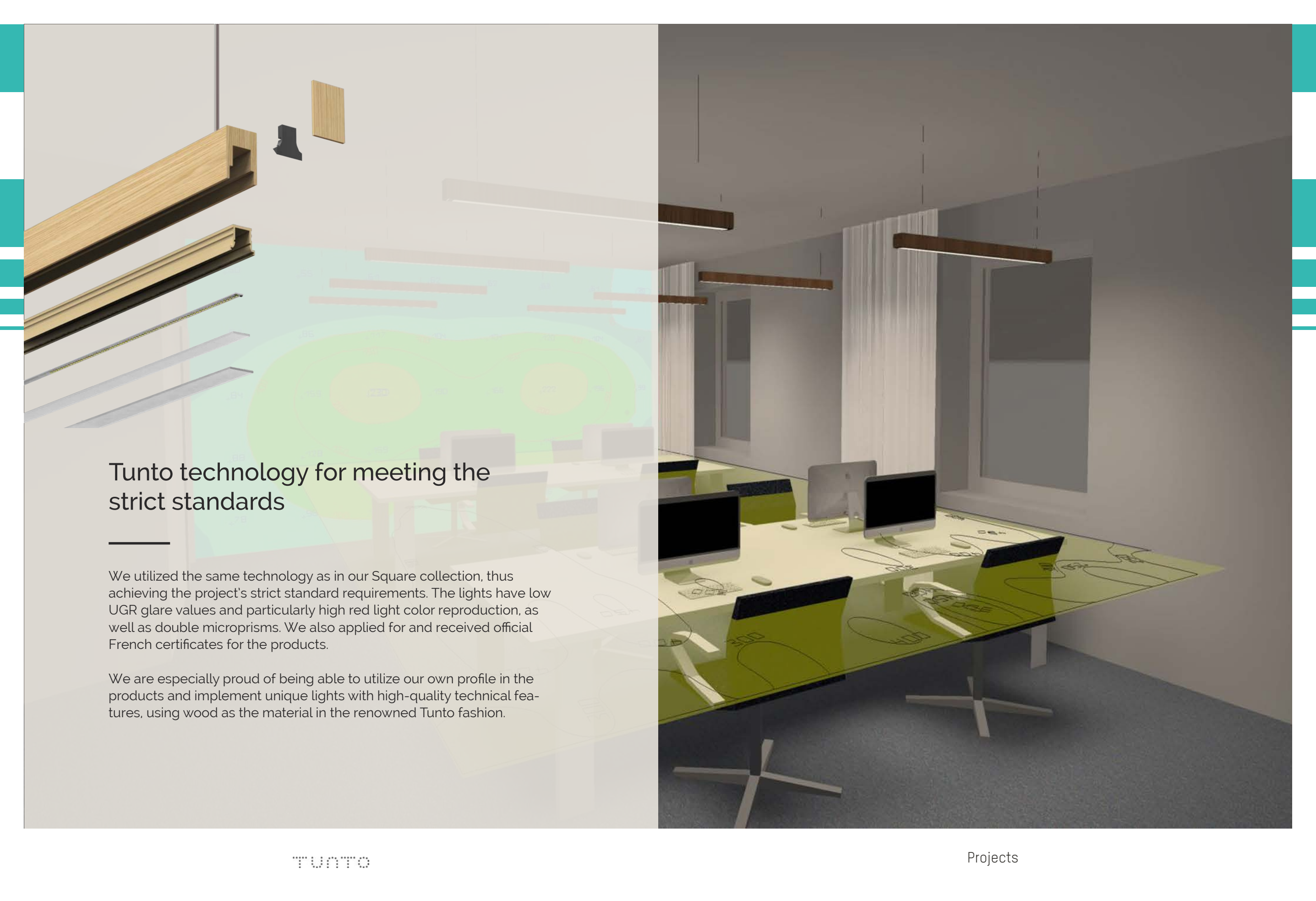


EMI Offices

Boulevard Haussman, Paris 75008, France

This rewarding and challenging project had strict requirements in terms of energy efficiency and glare values. The lights had to produce high-quality flicker-free light for workspaces on many different floors.

Tunto also took part in lighting design in the project. We offered various alternatives and solutions during the process, and provided our expertise for the optimal placement of lights of the workspaces.



Tunto technology for meeting the strict standards

We utilized the same technology as in our Square collection, thus achieving the project's strict standard requirements. The lights have low UGR glare values and particularly high red light color reproduction, as well as double microprisms. We also applied for and received official French certificates for the products.

We are especially proud of being able to utilize our own profile in the products and implement unique lights with high-quality technical features, using wood as the material in the renowned Tunto fashion.

Seppä Shopping Centre

Jyväskylä, Finland

Tunto did a complete redesign for the lighting of the main lobby of the Seppä Shopping Centre, located in Jyväskylä, Central Finland. The project was carried out together with Ramboll Valostudio's lighting designer Mikko Pekonen.





An impressive result

The new lighting solutions had to be adapted to the existing roof structures. The lights utilize Tunto RGBW flexible LED profiles and customized aesthetic power supply boxes. The lights are controlled by a DMX system, and the RGBW color lights allow for different lighting moods in the room.

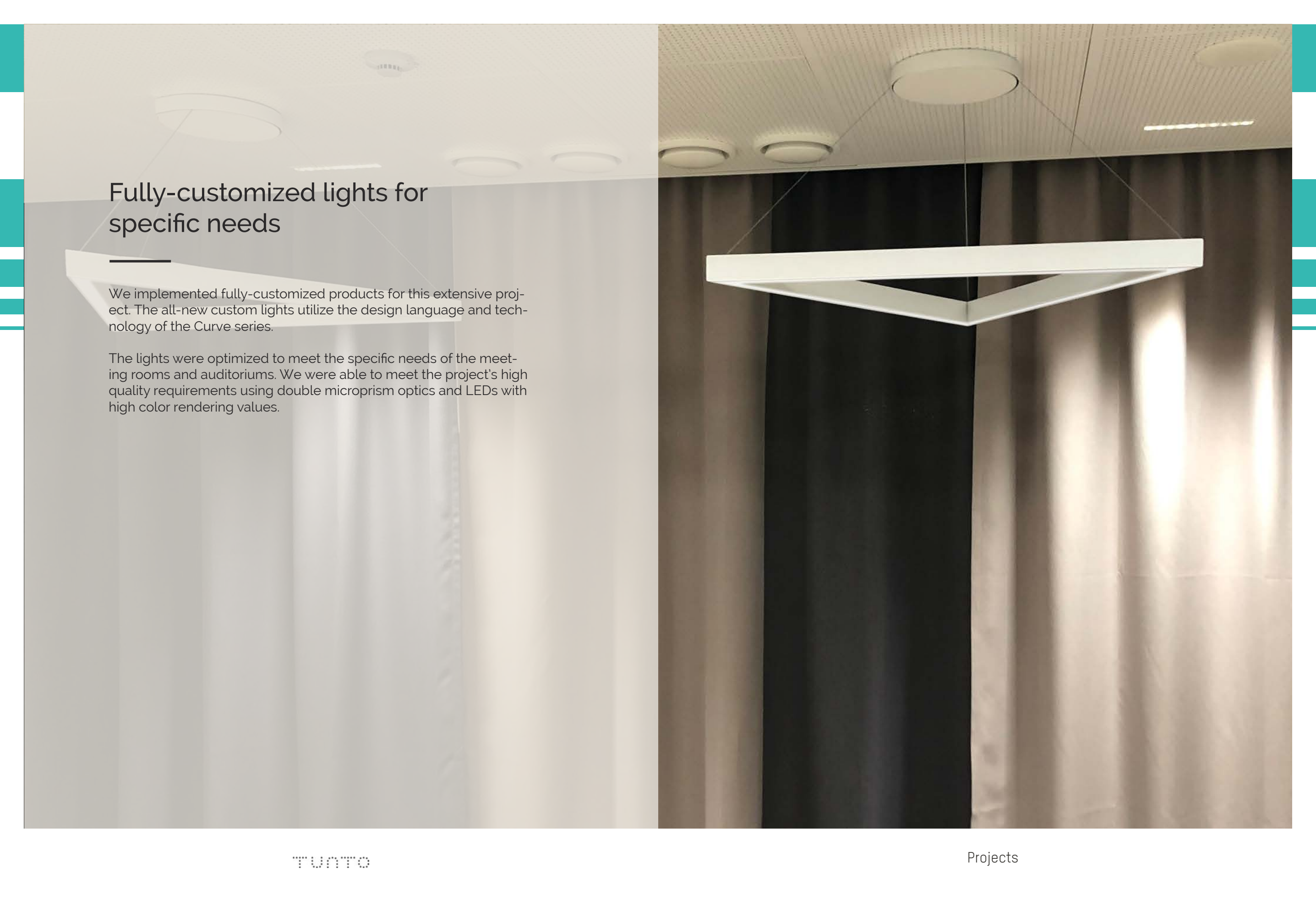
As an impressive result, large project lights were created and installed in the lobby, making it possible to effortlessly change the mood of the space according to different seasons and various events.

A historically significant office project

Helsinki, Finland

A group of culturally and historically significant buildings have served our client in Helsinki for over 30 years. The former barrack buildings – originally built in the early 19th century – recently underwent the most extensive modernization project in their history.

Tunto is proud to have been part of this massive project: we provided our products for the extensive lighting renewal of the whole premises. Another design agency was responsible for the lighting design, and Tunto's lights can be found in the meeting rooms and office spaces.



Fully-customized lights for specific needs

We implemented fully-customized products for this extensive project. The all-new custom lights utilize the design language and technology of the Curve series.

The lights were optimized to meet the specific needs of the meeting rooms and auditoriums. We were able to meet the project's high quality requirements using double microprism optics and LEDs with high color rendering values.

Organic moods for neutral spaces

Our Ballon lights were used in large groups on walls and ceilings to create an organic mood to an otherwise neutral space.

We are extremely proud to have been part of this significant endeavour. It is gratifying to see Finnish designers using domestic products in complex, large-scale projects like this.



TUNTO lighting

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