

## The Troldtekt Award 2016 – Jury’s report

### FIRST PRIZE

#### “Troldtekt AIR” – Proposal 592

The author successfully creates an aesthetically pleasing, timeless space which perfectly links nature and brilliant simplicity using the sustainable Troldtekt material. Walls and ceilings are completely covered with panels, achieving wonderful homogeneity and perfectly reflecting the interior archetype. A timeless room is virtually reinvented in perfect harmony with nature, clearly visible through the large window. The material is used appropriately on ceilings and walls but the jury views the proposal to use the material on the floor and on doors with some scepticism. The impression of solidity and simplicity is both astounding and fascinating as the author uses the Troldtekt material on the walls like a massive brick and covers the ceilings in the same way. The look and feel of the interior creates room for creativity thanks to its reserved homogeneity. The room adapts perfectly to those who are in it. The feeling of sitting in an ecological, sustainable, environmentally-friendly room feels completely natural.

The jury is both surprised and thrilled by the idea of playing with the thickness of the commercially available Troldtekt panel material, making the floor with a “thin and hard material”, the doors with “semi-thick material” and the walls with “thick bricks.”

This work illustrates a nice idea of innovatively yet realistically using the natural Troldtekt material in an aesthetically pleasing way.

The project is there for awarded the Troldtekt Award 1<sup>st</sup> Prize of 5,000 euros.

### RUNNER-UP

#### “Choice Theory” – Proposal 567

The project is defining an alternative use of Troldtekt, as a flexible, indoor dividing wall system.

The wall system consists of a steel or aluminium supporting system, which is divided up into smaller square sections, into which Troldtekt elements, shaped as smaller cubes, are inserted. The project uses references to mosaics or cross-stitches, scaled into wall size, thus providing the acoustic properties, that can be helpful in spaces with otherwise hard surfaces.

The system suggests that the Troldtekt cubes can be used in different colours and that there should be a possibility to push the cubes into the metal framework at different angles, thus giving endless possibilities to create patterns, openings with no cubes and 3-dimensional or spatial qualities to the dividing wall - into multiple, individual user configurations. As the project states: “Why is the user not the builder?”

The jury wishes to appraise this concept for the positive idea of a user interface, the potential of a wide variety of patterns and colours - the potential to shut out or open flexibly between rooms, including the potential of molding and applying daylight via less or more penetration.

The jury can see potentials in shaping the metal framework in many sizes and patterns, e.g. as diamond-shaped or circular shapes, as well as in larger formation.

The current technology of the Troldtekt seems realistic to challenge into other sizes and cut-shapes.

The jury sees a weakness in the fact that the idea is not a stand-alone Troldtekt item, but that a supplementary supporting metal grid-component has to be developed, however, for the capability of looking at Troldtekt as an artistic, as well as a well-known acoustic, enabler in interior decoration, as well as for the potential user-interaction, the project is there for awarded The Troldtekt Award 2<sup>nd</sup> prize of 2,000 euros.

## **SPECIAL PRIZE**

### **“Acoustic pavilion” –Proposal 578**

The project describes an outdoor 3 to 4m high pavilion, designed in Troldtekt sheet-components laser-cut and combined into an open 3-dimensional structure, a “hut”, hovering above a circular, submerged seating space. The idea is, that the pavilion will become a quiet place for outdoor activities in the midst of the city.

The structure is built by a wooden framework, or trusses, with attachment of mounted Troldtekt sheets on either side of the trusses, thus appearing as a pure Troldtekt surface and –materiality.

The jury finds the Pavilion beautiful, ethereal and well proportioned. It also connects and shows Troldtekt manufactured through modern 3D cutting technology. Due to the openness of the structure, the jury does, however, not believe in the stamina and robustness, needed for long outdoor life for the pavilion, exposed to the open weather - as well as the acoustic potential for a quiet moment away from the city noise. However, the jury sees the potential to use the pavilion as a beautiful, modern, temporary and functional art-installation in the city, as an acoustic-material symbol of “taking a break from the buzz”, and perhaps leaving it on-site, to let the public witness how the pavilion changes as this is affected by the weather, thus telling a strong story of the natural materials of Troldtekt.

The project is there for awarded the Troldtekt Award Special Prize of 1,000 euros.

## **HONOURABLE MENTION**

### **“Troldtekt BIO” – Proposal 591**

The project describes an outdoor Troldtekt panel system - Troldtekt BIO- that primarily aims to solve the outdoor acoustic challenges of traffic noise in hard surfaced street-sections, as well as dealing with air pollution of the city.

The panels are suggested perforated into lattices and combined with green climbing plants which together will address both the absorption of acoustic cross reflected traffic noise, the pollution of the NOX-contents of the air and also provide the buildings with ample solar-shading, particularly efficient mounted to curtain-wall cladded buildings.

The jury wishes to give honorable mention to the sustainability goals of this grand scale idea, which is in sync with the values of Troldtekt.

## HONOURABLE MENTION

### **“Digital Formula”** – Proposal 553

The author of the article “Digital Formula” deftly rides the wave of digital printing. The construction industry is desperately looking for the “clay” of the future, a material that can be used to print houses perfectly. What could be better suited for that than a mix of the basic products used to make Troldtekt acoustic panels, namely:

1. Aalborg Portland cement
2. Norway spruce wood wool
3. Water

The author uses these products to create completely new uses for the raw materials used in Troldtekt acoustic panels. The acoustically effective properties are achieved through a variety of products which can also be manufactured on the construction site. The author proposes acoustic sculptures that can stand without support or free-standing, load-bearing walls, also in free forms. With the author’s idea, Troldtekt goes from a manufacturer of two-dimensional ceiling panels to a manufacturer of a variety of applications of three-dimensional spatial models, retaining the same promise of sustainability as that of the original material.

The article is surprising, slightly provocative but also exciting and refreshing.

## HONOURABLE MENTION

### **“Noise-Free Escape”** – Proposal 581

Office environments today are in need of attractive areas to act as retreats, small islands of tranquillity. The idea of a room inside a room, providing an appealing place made entirely of Troldtekt acoustic panels, is an attractive one. The small octagonal cocoon is a noise-free box of peace and reflection that simply feels good. In this way, modern spaces can be created using sustainable material. The uniformity of the surrounding walls and ceiling adds to the sense of reflection and calm and the selected wooden supporting structures are plain and simple. Both the modular design and the various proposed uses of the cocoon - used either as added linked elements or solitary, partially open, or completely closed rooms boasting selectively placed glazed elements - are particularly appealing here. The rooms can be used for relaxation or for meetings.

This design allows the acoustic properties of the Troldtekt panels to function both inside and out, improving the room acoustics in the open-plan office and in the box itself.

The article describes an innovative, versatile option suited to the material.