

NORDIC ARCHITECTURE

Avanto Architects - Chapel of St. Lawrence | Pyhän Laurin Kapelli

Jens Allard | Camilla Axberg | Klara Bolin | Julia Forsberg | Leopold Pretzel | Gunnar Tjus

"We want that our architecture is a powerful experience just like jumping to ice cold water."

Avanto Architects is a Helsinki based architecture agency founded in 2004. Avanto means "hole in the ice" and refers to the popular Finnish hobby of winter bathing. We want that our architecture is a powerful experience just like jumping to ice cold water. With our high quality architecture design, we have helped our clients create success stories and reach their goals in branding, visibility and even economically.

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Ville Hara



Anu Puustinen

CHAPEL OF ST. LAWRENCE



Entrance on west-side

CHAPEL OF ST. LAWRENCE

Location	Vantaa
Competition	Open competition, 1st prize
Design and construction	2003–2010
Gross floor area	1880 m ²
Client	Parish Council of Vantaa
Photos	Tuomas Uusheimo & Kuvio.com

Avanto Architects won an open architectural competition for Chapel of St. Lawrence in 2003 and the building was consecrated in August 2010. The site is situated in an important and ancient historical setting in Vantaa. The chapel links disparate elements in the surroundings without appearing as a distinct building mass, leaving the old medieval stone church and bellcote to dominate the village milieu. The massing and materials are in response to existing surroundings, with use of rendered brickwork, natural stone, patinated copper sheet and mesh.



Belltower

The building uses similar materials as the old structures in the area. The massiveness of the load bearing solid masonry walls balances changes in temperature and moisture. The lightly plastered and whitewashed walls are a bright, tranquil background for the events taking place in the chapel spaces. Apart from the walls, the building has a steel structure. The partition walls are in-situ cast white concrete and the roof is of patinated copper, like the roof of the church. The patina in all copper surfaces in the chapel has been added by hand. The ceilings and the glazed walls toward the graveyard in the chapels are covered with a patinated copper mesh; it functions as a screen between the outside and the spaces of the chapel. The mesh also decreases heat loads from sunshine. The low stone walls flanking the small gardens and courtyards use stone extracted from the site. The floors of public spaces are of slate.

The lifespan target for the chapel is two hundred years. The main structure will certifiably last that long and the natural materials used will age with dignity. A lifespan simulation was used as an aide for the design. An important factor in choosing the materials was locality in addition to longevity; and on-site building and an emphasis on craft were distinct features of the whole project. These ways of working ground the building in its surroundings and display the traces of handcraft.

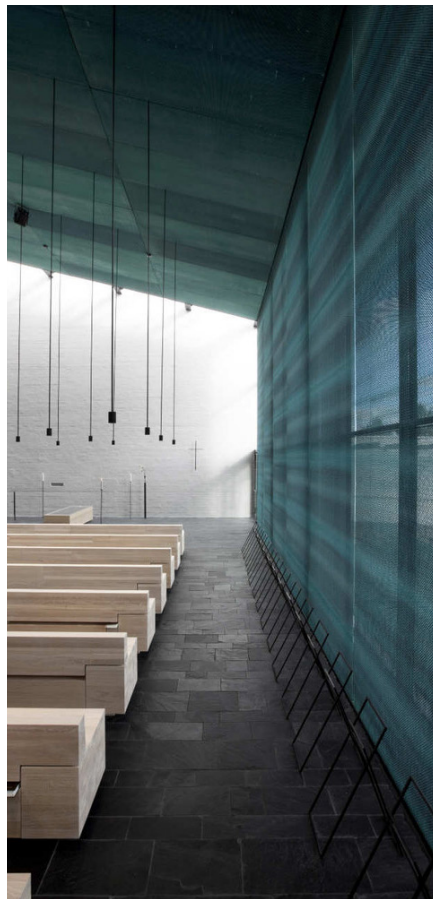
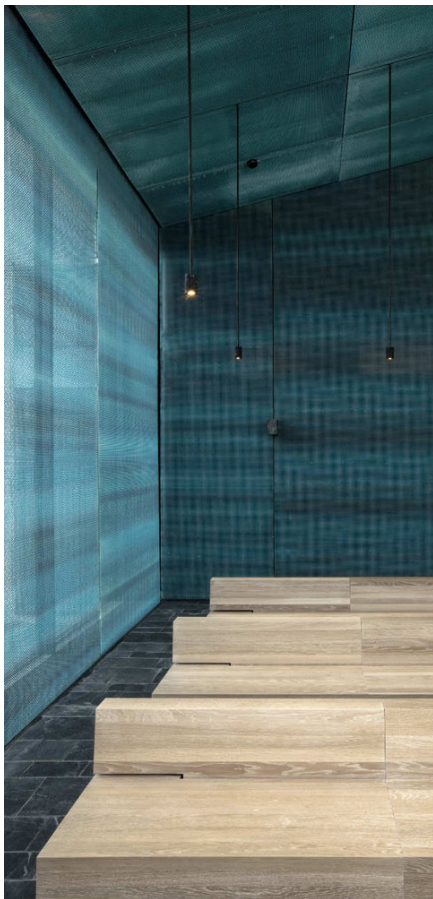
Structure, Materials, Lifespan

The old stone church with its bell tower remain the dominant features in the landscape. The new chapel ties together different aspects of the area without emphasizing itself. The chapel connects with the graveyard, leaving the old buildings with their own boundaries and territories untouched. It delineates the northern boundary of the graveyard and hides the service yard behind its back. The chapel has been divided in smaller parts to adapt with the scale of the surroundings. The stacked stone walls of the cemetery are echoed in the design – a series of three chapels of different sizes are nested within orthogonal masonry walls. A new bell tower in a corner of the chapel completes the composition and leads the eye skyward.



Context, Massing

CHAPEL OF ST. LAWRENCE



Interior view of Chapels

The people attending the funeral follow a route through a series of sacral spaces, punctuated by intermediate rooms – along the route there is a continuous skylight. The intermediate spaces prepare the visitors for the next phase of the funeral. It is very silent in the chapel; the acoustics and ventilation have been designed especially with this in mind.

The spaces are situated on two levels, the sacral spaces, two chapels and a space for urn burials, and their entrance and lobby spaces, are on the ground floor. In the lobby there is an entry to the space for giving farewell to the deceased, which is located in the basement. The staff rooms are in-between the public areas, on the ground floor and in the basement. During the proceedings, the passage through the spaces is unidirectional. The routes used by different groups of visitors never cross.

The staff commented on the plans by taking part in a work group focusing on functional aspects. The designers accompanied the staff members in their daily duties so as to understand the work processes better. A uniform whole was achieved by having the interiors, furniture, artifacts and textiles, as well as the cladding for the organs designed in the same office as the architecture. The design process was aided by several models and prototypes that were commissioned during the planning stage.

Functionality

The chapel's architecture is a depiction of the passage of a Christian soul from here to the hereafter. The route passes through the chapel, into the silent graveyard. The whitewashed masonry walls and a continuous skylight next to it lead from one space to the next, from the low and dark to the lofty and light.

We approach alongside the outer wall. The wall and the bell tower at its end speak of the earthbound journey and its ending. We turn the corner and, sheltered by an overhang, follow the wall, to a small courtyard - a small pond, with natural stones at its bottom.

We enter a dimly lit lobby with a low ceiling, we can glimpse the entrance court and the old garden of the vicarage behind us. Here it is possible to stop for a moment and reflect on the experiences and life shared with the deceased.

We follow the skylight to the chapel. The chapel opens up, a high space terminating in the brightly lit junction of the masonry wall, where the deceased will be met by the mourners. The wall towards the graveyard is semi transparent, glazed with a patinated copper mesh on either side, a screen between this life and the hereafter. From the chapel we exit, under the cover of an overhang, through a small garden, to the graveyard. The path turns – but continues.

Path I "polku"

An open competition was held in the fall of 2007 for art to be commissioned for the chapel. The competition was scheduled before the final construction documents were drafted, so that the art could be integrated as a seamless part of the architecture. Pertti Kukkonen was awarded the first prize with his work "the Way of the cross". Kukkonen was able to utilize the solid masonry walls with his work. In addition to the main pieces, the walls have been inlaid with "spirits" that shine through the light plaster surface. Pertti Kukkonen was responsible also for the demanding work of adding patina to the copper surfaces of the chapel.

Pekka Jylhä was awarded the second prize with his work "Sacred" - his sculptures of glass reflect light around them. The shared mission for both art and architecture is comforting the mourner.



Artworks by Pertti Kukkonen & Pekka Jylhä

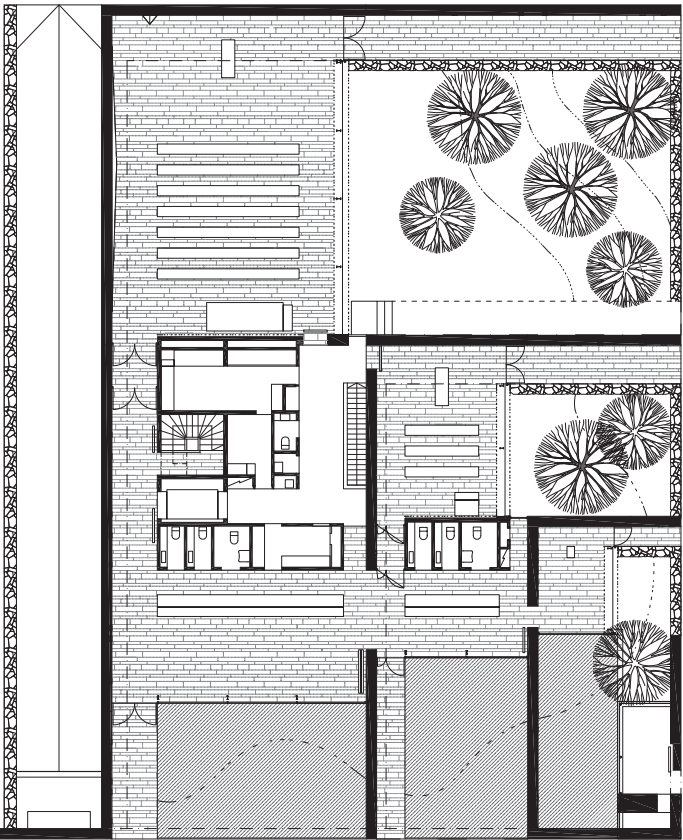
ST. LAWRENCE CHAPEL



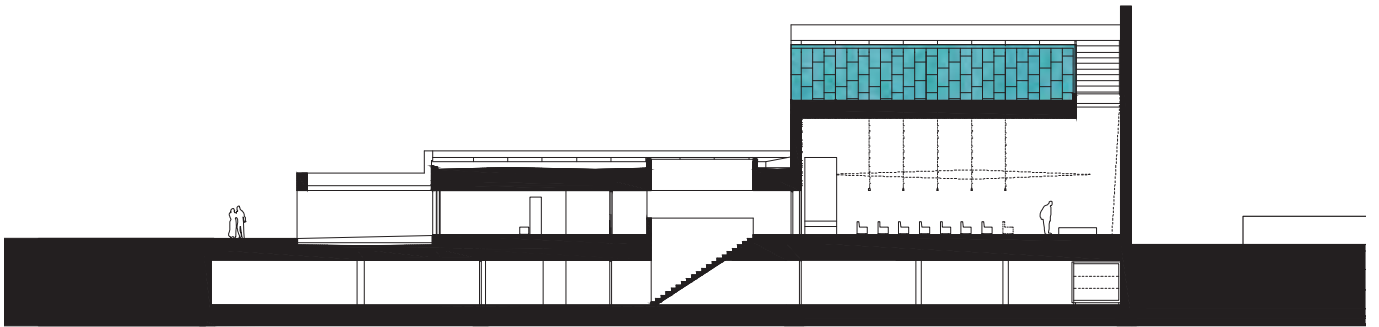
Exterior-view of Entrance with pond



Siteplan 1:1500



Ground floor 1:400

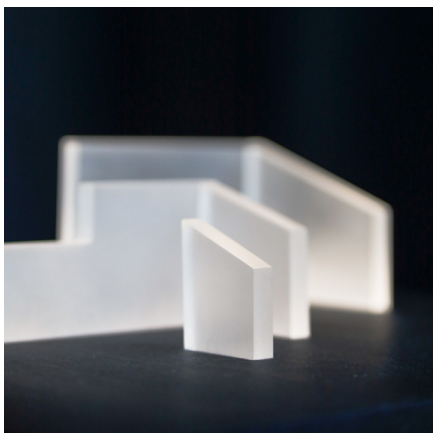
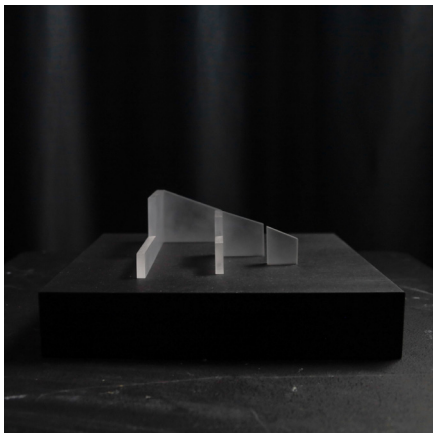


Section 1:400



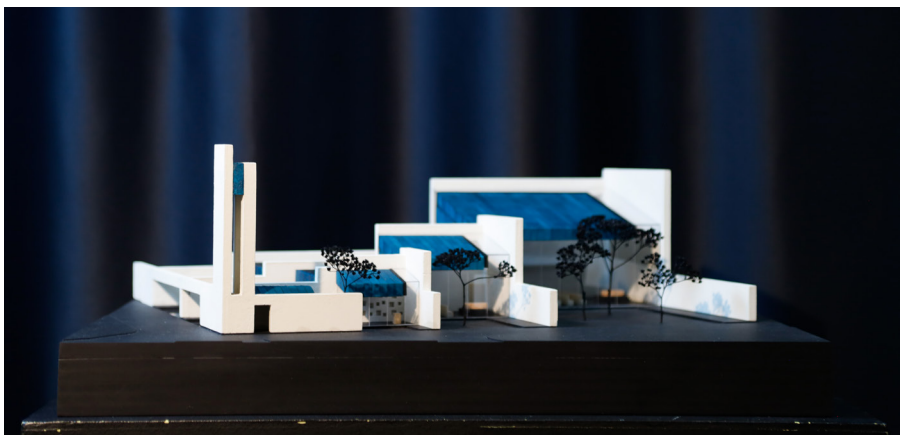
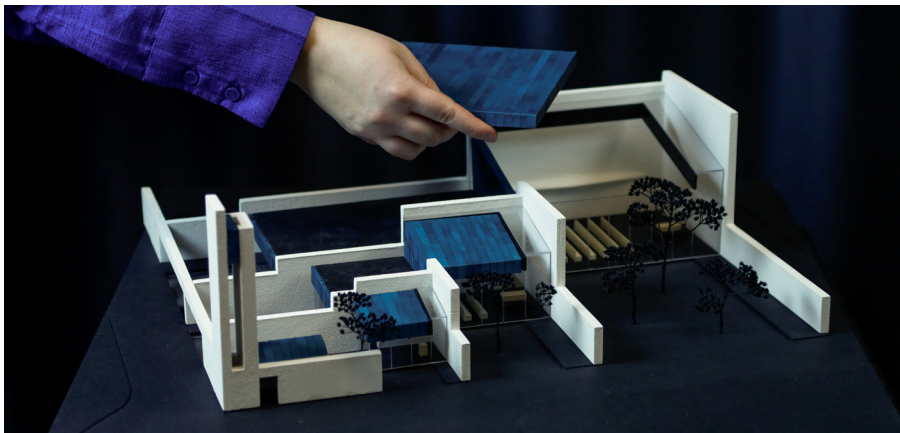
Concept model 1:200 | 300x300mm

MODEL BUILDING



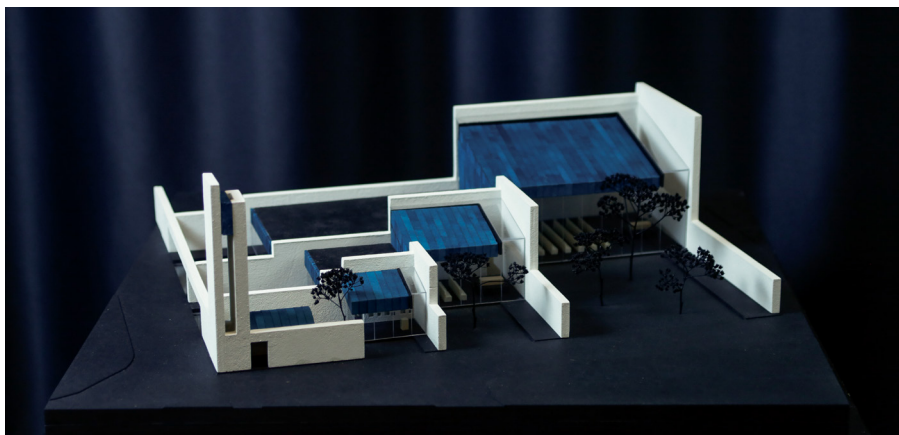
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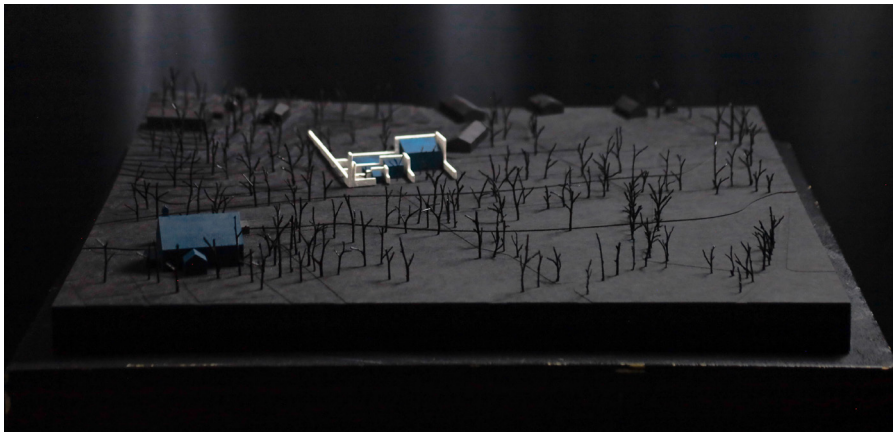
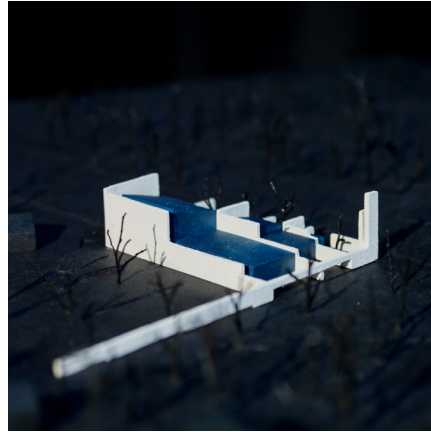
Main model 1:100 | 550x550mm

MODEL BUILDING



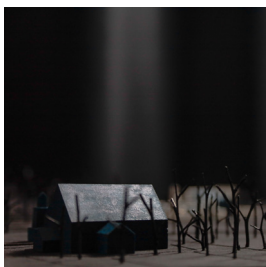
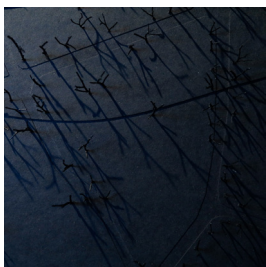
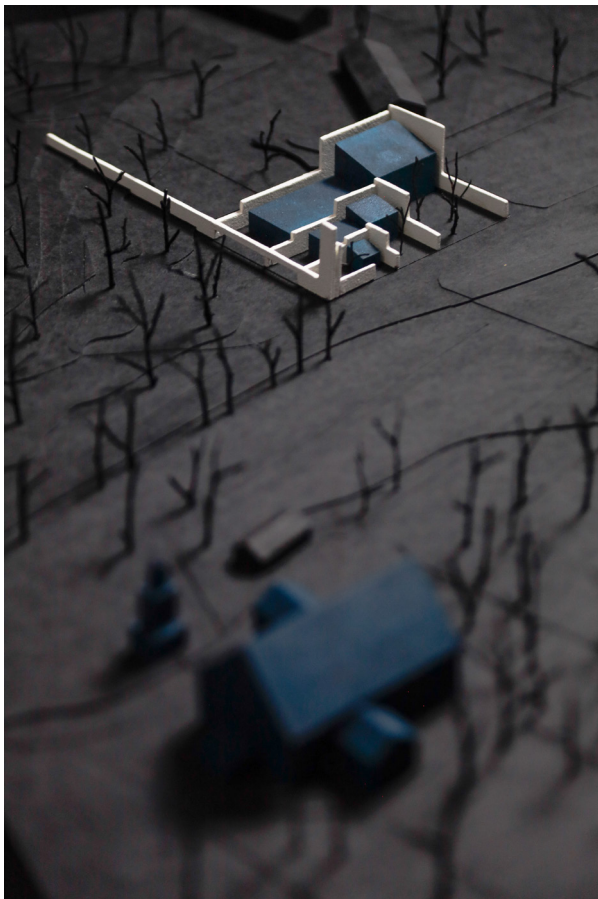
Main model 1:100 | 550x550mm

MODEL BUILDING



Site model 1:500 | 550x550mm

MODEL BUILDING



Site model 1:500 | 550x550mm