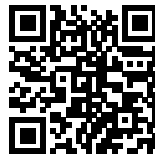




## THE NEW SIMAC: SVENDBORG INTERNATIONAL MARITIME ACADEMY

*Posted on January 25, 2024 by Gabriel Sastre*



**Categories:** [C.F. Møller](#), [EFFEKT](#), [Energy and sustainability](#), [Middle Density](#), [Project](#), [Technology and fabrication](#), [Urban Paradigms](#)

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The New SIMAC: Svendborg International Maritime Academy  
<https://urbannext.net/the-new-simac/>

The new SIMAC (Svendborg International Maritime Academy) is a beacon for future educational institutions that lights up through the integration of the city and the harbor.

The new SIMAC in Svendborg will be Denmark's largest maritime education institution. With its flexible framework and utilization of the harbor, it becomes both a beacon for modern education and the transformation of a completely industrial area to form a new living district with education, businesses, and recreational areas.



SIMAC is integrated into the course of the harbor promenade and the surrounding urban spaces. The building's floor plan is designed as a cross that forms a corner to four squares and allows public access to the communal facilities. The quay becomes an outdoor laboratory that highlights the school's work and maritime virtues.

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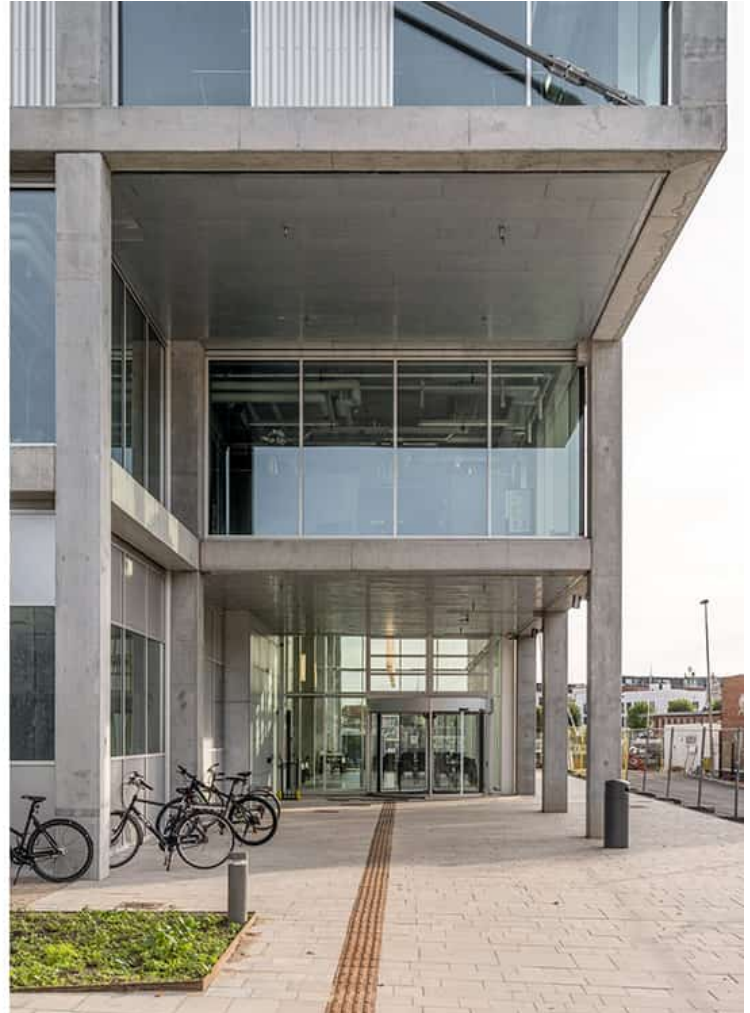


The architectural design is based on a modular construction grid that maximizes openness and flexibility in the physical framework of education. The construction is flexible and allows for reorganizing the layouts for workshops and teaching rooms without disturbing the load-bearing structure and logistics. The design provides a good spatial range, which can function for both larger classrooms as well as workshops, but can also be subdivided into smaller units for offices.

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In the center of the building is an atrium that connects the building both visually and logistically across floors. Around the atrium, there are four double-height spaces that mark both the interior and exterior of the façade towards the city and the harbor and contain central functions such as a canteen, auditorium, and special workshops. The staircase in the building follows these spaces, culminating on a communal roof terrace with views of the harbor, Svendborg Sund, and the city. The ground floor, the double-height spaces, the atrium, and the roof terrace together form the building's social infrastructure, which makes it easy to find your way in the building and offers a meeting place for the many different activities in the building.

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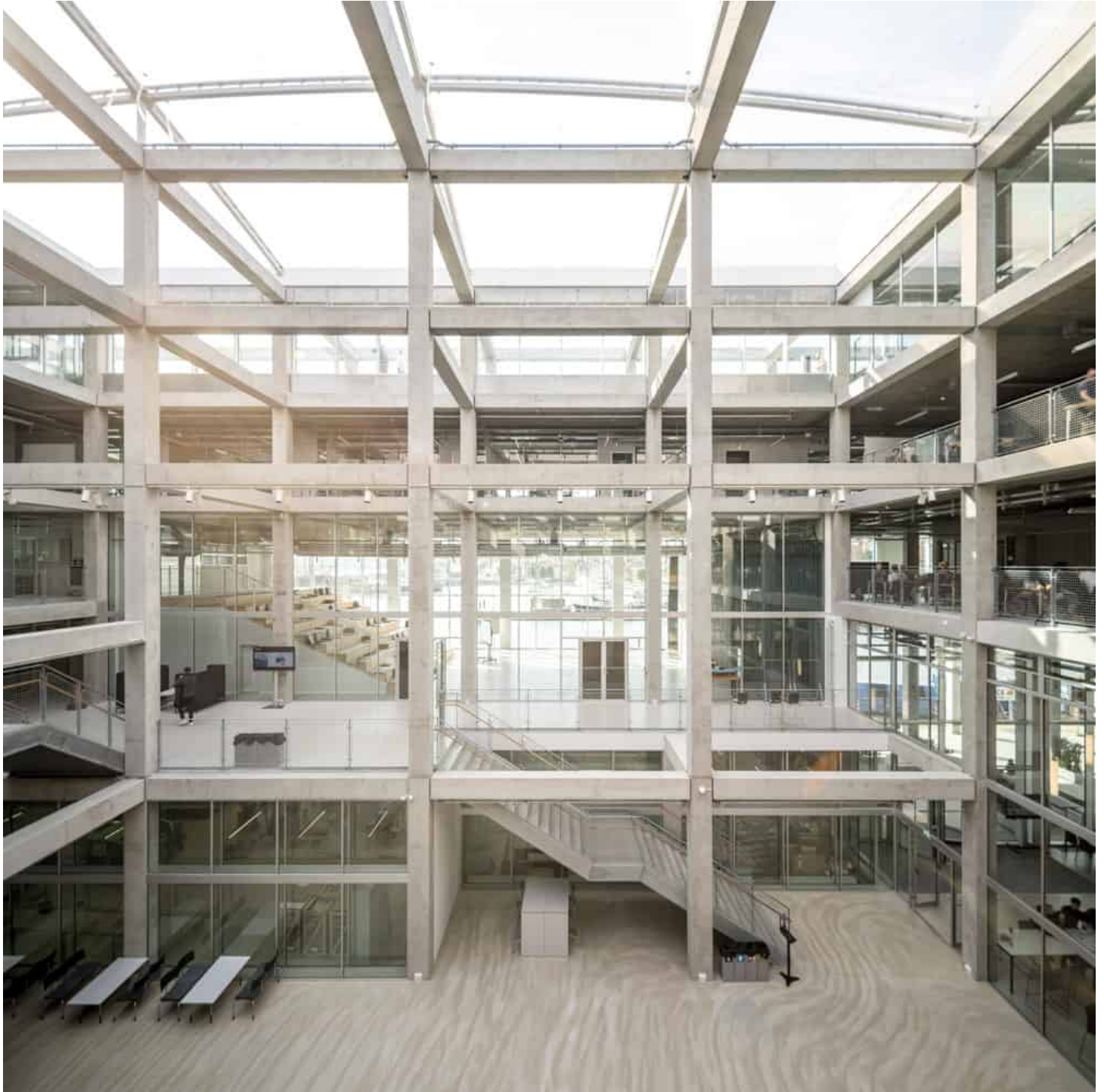
The interior construction has exposed bare concrete surfaces and the building's floors have a robust surface that can withstand heavy use on the ground floor and in the workshops. The interior walls between the atrium and the teaching rooms have sections of glass to ensure visibility and dialogue. Overall, the building has a simple and honest expression based on functionality and utilization.

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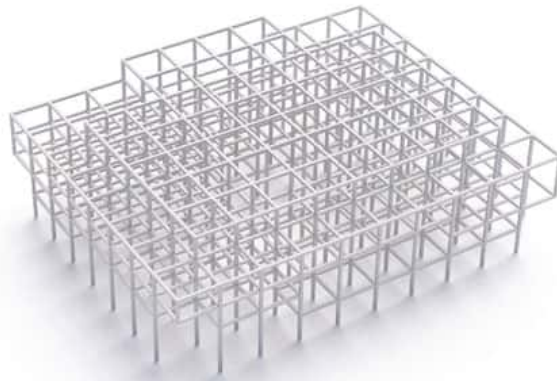
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## **A simple building system**

We propose a single building system with a construction grid with 7.2 meters span. A functional, simple and flexible construction system with reference to the industrial harbor constructions.



## Transparency as a connector

All functions are visually connected through the open atrium overlooking the city and the harbour



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