



Triple sustainability: Economic, social, and environmental

Rampini Construction is one of the leading providers of civil engineering services in western Switzerland. To simplify its processes, the company planned to consolidate its operational logistics at a central location. Rampini's standards were high: the new building should set new benchmarks in terms of efficiency and sustainability, serving as a showcase for the company's capabilities.

First, the planners at IE set about determining the space requirements and layouts for the room division - from the workrooms to the technical rooms to the common rooms. The new building was thus systematically created from the inside out: from optimized operations processes to room division to architectural design.

As a result, the workshop center consists of two clearly recognizable buildings, which are connected by a central axis: a front building made of recycled concrete for administration and logistics, adjoined by a double hall with a metal supporting structure and facade, which houses the workshops and warehouses. The central axis contains corridors, changing rooms, and the sanitary and technical rooms.

PLANNING AND CONSTRUCTION PERIOD

› 2,5 years

CONSTRUCTION SCOPE

- › Production area: 3.500 m²
- › Building height: 12,5 m
- › SIA volume: 18.500 m³

INVESTMENT TOTAL

› CHF 12,5 million

IE RANGE OF SERVICES

- › Planning
- › Process and architectural management
- › Construction execution



Resource-efficient: geothermal energy and biological wastewater treatment

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In order to create a building that is as sustainable as possible, all options were first examined in detail and the components were combined to form a system that is both as efficient and environmentally friendly as possible. Sixteen geothermal probes in combination with dual-flow ventilation ensure that the entire building complex's heating requirements are met. The system is reversible: in winter, geothermal energy is extracted, while in summer, excess heat is returned to the ground. The building exterior, which complies with the Minergie® standard and features triple-glazed windows, and the special insulation devices on the twelve gates prevent energy loss. Solar collectors provide the energy for hot water production. This allows Rampini to completely dispense with fossil fuels. In addition, the wastewater from cleaning vehicles and equipment is reused after undergoing biological treatment.

Social, environmental, and economic goals in harmony

The construction project impressively demonstrates that sustainability is more than just a green image for the company: ecological, social, and economic benefits are closely interlinked. Rampini has been able to significantly increase the efficiency of its operations process with the new central workshop center. Attractive architecture, developed with a consistent focus on quality of life, ensures a performance-enhancing working environment. Resources are consistently conserved and the building is sustainable even when viewed over longer periods: possible future extensions have already been taken into account in the planning and are easy to implement in the modular building.

Contacts

IE Technology Zurich

Wiesenstrasse 7
8008 Zurich | Switzerland
T +41 44 389 86 00
zuerich@ie-group.com

IE Technology Munich

Paul-Gerhardt-Allee 48
81245 Munich | Germany
T +49 89 82 99 39 0
muenchen@ie-group.com