

LIGHTHOUSE JOENSUU, FINLAND

A SHINING EXAMPLE

With timber construction booming, particular attention has to be paid to the topic of building statics. However, there is also a demand for innovative solutions in terms of the technical building systems used. Such solutions were found and successfully implemented in the Finnish town of Joensuu. →

LIGHTHOUSE JOENSUU

Building owner: Opiskelija-asunnot Oy

Architecture: Arcadia Oy
arkkitehtitoimisto

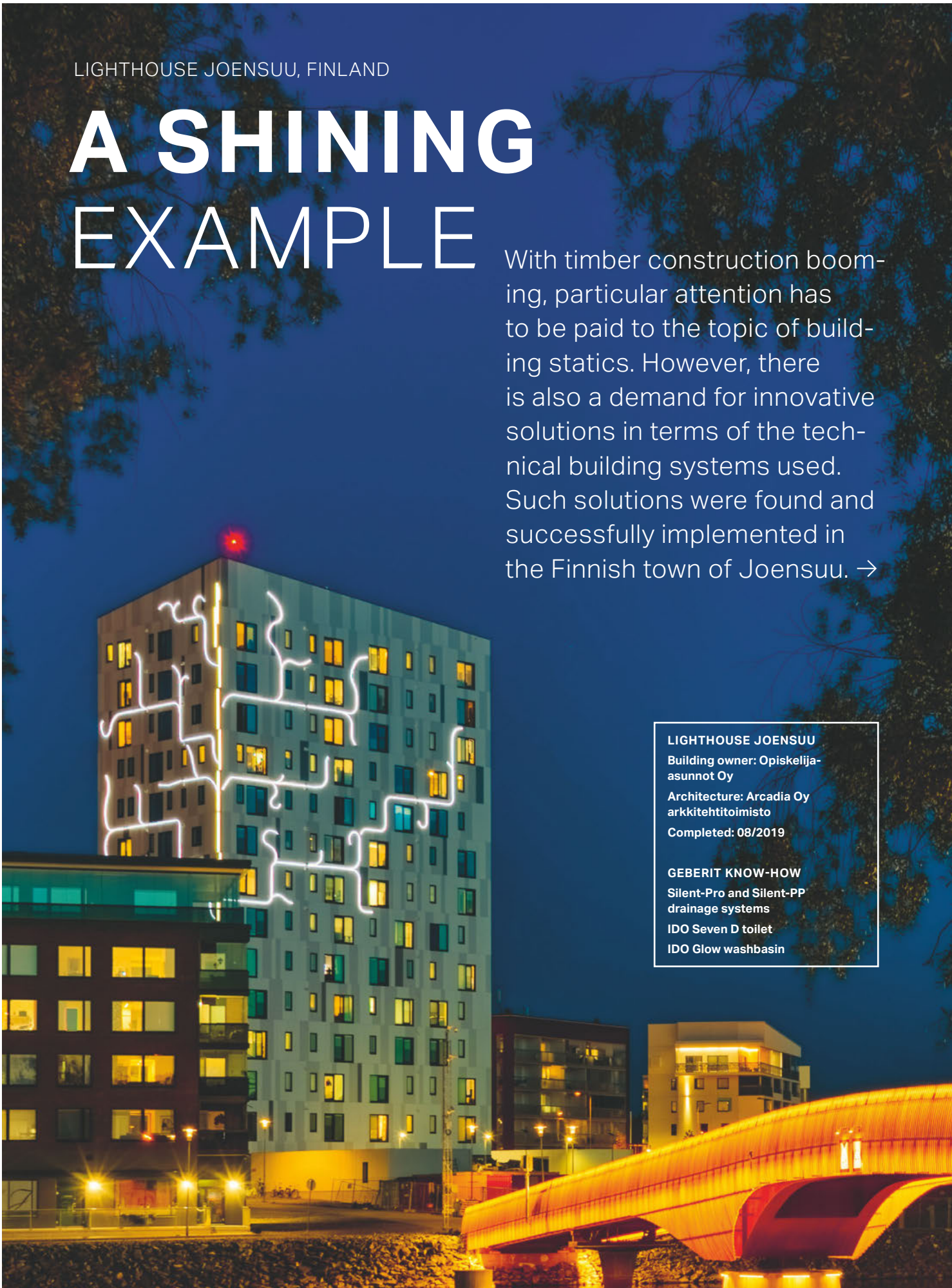
Completed: 08/2019

GEBERIT KNOW-HOW

Silent-Pro and Silent-PP
drainage systems

IDO Seven D toilet

IDO Glow washbasin





Lighthouse Joensuu offers comfortable living space for up to 700 students.



"A drainage system from a single source with components that are perfectly coordinated with one another results in reliability on a whole new level."

Samuli Sallinen
Architect at Arcadia Oy arkkitehtitoimisto

Further scientific advancements are needed before wooden skyscrapers become the norm. However, even today there is no shortage of adventurous plans for towers that will soar 300 metres and more into the sky.

WOOD AS FAR AS THE EYE CAN SEE

Compared to such visionary plans – not to mention already completed projects such as Mjøstårnet and HoHo Wien – the 48-metre-high Lighthouse Joensuu looks relatively modest at first glance. However, unlike its (in many cases) much taller competitors, the student residence is made entirely of wood. To be more precise, it consists of a combination of cross-laminated timber (CLT) for the floor elements and laminated veneer lumber (LVL) for the wall elements.

OPTIMAL SOUND INSULATION

The compact 14-storey building has a floor space of 3,772.5 m² and offers comfortable living space for up to 700 students. During planning and implementation, there was a focus on sound insulation. In order to meet the strict regulations and cope with the limited space in the installation ducts, the people behind the project opted for the Silent-Pro drainage system, which is both highly sound-insulating and easy to install.



SILENT-PRO

Geberit Silent-Pro represents the state of the art when it comes to building drainage. The plug-in system achieves its outstanding sound insulation primarily due to three factors: the high inherent weight of the product material, targeted reinforcements on the fittings, and a consistent decoupling from the building structure thanks to special system pipe brackets.

When planning the 14-storey building, the possibilities of building with wood were explored in detail. Particular attention was paid here to sound insulation.

