

# Rogaška Medical Centre, Slovenia Healthcare

Case Study



## CLIENT

The Rogaška Medical Centre, Slovenia

## CHALLENGE

Deliver energy-efficient natural light into the hallways, offices and common spaces on the 12th floor of the medical center for physiotherapy treatment.

## RESULTS

Natural light delivered with Solatube daylighting systems create a bright and healthy indoor environment that maximizes patient and staff health and wellbeing; minimal electric lighting needed during the day.

## PRODUCT

14 Brighten Up 290 DS units and 5 SolaMaster 750 DS units with Daylight Dimmers

## SOLATUBE DISTRIBUTOR/INSTALLER

Kerber d. o. o.

## ARCHITECT

Miloš Musulin

**BACKGROUND:** The 400-year-old Rogaška Medical Centre in Slovenia is one of the leading private health facilities in the country. The state-of-the-art rehabilitation center specializes in treating patients with chronic gastroenterological, metabolic, managerial and other diseases. All treatment solutions administered at the facility are used through natural medicine to heal the health, body and spirit.

In an effort to stay up-to-date with the healthiest and most effective solutions to provide both employees and patients with physically, mentally and soulfully positive resources, the investor of the facility decided incorporating natural daylight to the 12th floor of the building would be beneficial for patients, staff and physiotherapeutic treatments.

**CHALLENGE:** One of the most significant challenges with the investor's idea was how to successfully provide substantial natural daylight without delivering heat-carrying infrared rays to the clinic to meet rigorous building requirements, including meeting particular levels of temperature and humidity.

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“With daylight in work spaces, which has high impact also on well-being, we are addressing both employees and patients, who visit Rogaška Medical Center from all over the world.”

*-Miloš Musulin, B. Arch*

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**SOLUTION:** To ensure a proper amount of daylight, Solatube's long-term Slovenia distribution partner, Keber, used the Solatube proprietary Design Calculator to determine the number of units needed and the amount of light that the Solatube Daylighting Systems would bring into the space.

Fourteen Solatube Brighten Up 290 DS units were used to capture daylight at the rooftop and transfer natural daylight deep into the facilities 12th floor — on both sunny and cloudy days.

Additionally, five Solatube SolaMaster 750 DS units fitted with Daylight Dimmers were added to patient rooms. These systems allow for complete comfort and control of the amount of natural daylight entering the space with a simple wall-mounted switch.

**RESULTS:** With the consistent daylight provided by the Solatube Daylighting Systems, the Rogaška Medical Centre was able to achieve desired natural daylight levels on the 12th floor with minimal heat transfer and create a healthy indoor environment that maximizes patient and staff health and wellbeing. Thrilled with the results, the investor and staff of the facility look forward to harnessing the power of the sun and providing their patients with many benefits of natural daylight.

“Searching for better work conditions for medical personnel, who daily work in the areas with no daylight, but need to be focused on their medical work, we found Solatube Daylighting Systems as the best solution and key benefit. With daylight in work spaces, which has high impact also on well-being, we are addressing both employees and patients, who visit Rogaška Medical Center from all over the world.” - Miloš Musulin, B. Arch.



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