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Ingenuity for life



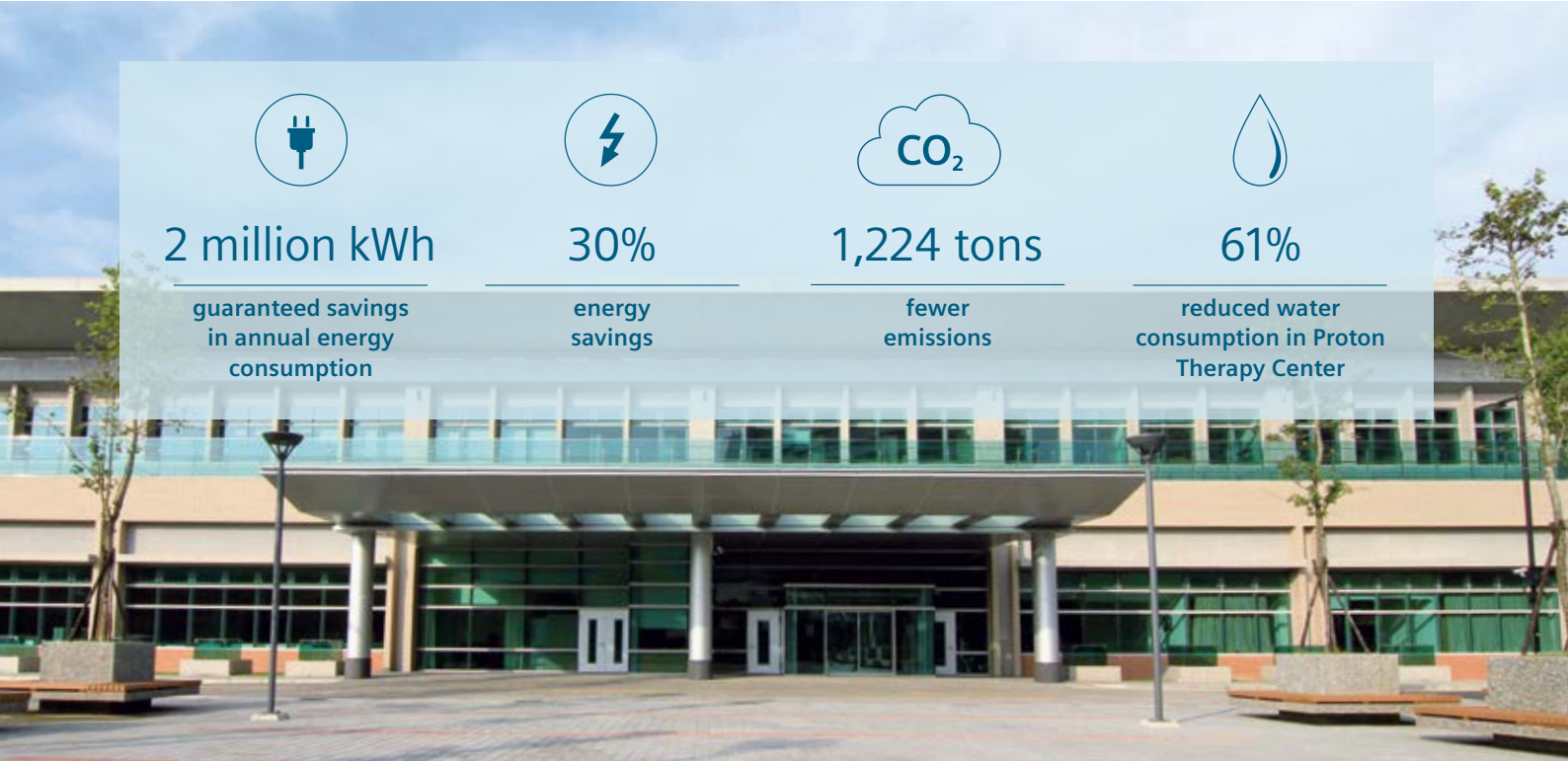
Creating perfect
places to get well

Energy and sustainability at leading
Chang Gung Memorial Hospital, Taiwan



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Better patient care starts with more efficient medical facilities



Siemens helped to optimize the energy balance at the Chang Gung Memorial Hospital (CGMH) – Proton and Radiation Therapy Center complex in the Linkou District of New Taipei City. The bottom line is enhanced productivity, greater profitability and more sustainable environmental management.

With the help of Siemens consulting and building optimization expertise, the hospital cut energy use by two million kWh, and lowered water consumption in one care unit by 61 percent. The Linkou Chang Gung Memorial Hospital – Proton and Radiation Therapy Center is not only the best radiation center in Asia, it also realizes the group's goals for energy saving and social responsibility.

With eight locations, the Chang Gung Memorial Hospital serves more than 28,000 outpatients each day and is one of the most distinguished medical operators in Taiwan. To improve energy and cost efficiency at the Radiation Therapy Center in Linkou, the customer defined targets to significantly reduce power, heat and water consumption.

To fulfill these goals, Siemens provided a number of customized solutions to optimize the performance of the center's building assets to meet the most advanced energy efficiency and sustainability standards.

“With the LEED-HC Platinum Award, our patients are able to heal physically and psychologically in a green environment while CGMH continues to provide them with advanced healthcare services.”

Wen-Neng Ueng (翁文能),
Former Superintendent, Linkou Chang Gung Memorial Hospital, Taiwan

Landmark in performance and sustainability

Since its completion in 2015, the comprehensive solution implemented at the Linkou Chang Gung Memorial Hospital – Proton and Radiation Therapy Center in Taiwan has received major attention among local and international authorities in healthcare and the public domain. Backed by solid energy and cost savings as well as successful green certifications, the center is recognized as a landmark in building performance and sustainability.



A perfect place to get well – behind the scenes

Chang Gung Memorial Hospital has been working closely with Siemens since 2011 to obtain the Leadership in Energy and Environmental Design (LEED) HC Platinum Award for its Proton and Radiation Therapy Center in New Taipei City. Building on this success – 42 percent higher energy efficiency compared with other buildings in the medical complex and a 61 percent reduction in water consumption – several key measures were implemented to boost energy efficiency throughout the therapy center:

- Installed a central control and monitoring system at management level for all HVAC needs based on Apogee®, including remote communication, clinic-wide data processing and reporting
- LEED-NC Healthcare Supplement – Platinum based on our consulting work and building energy modeling acoustic application
- Implemented ice storage control
- Recycled 98 percent of construction waste

When building technology creates perfect places – that's Ingenuity for life.

Never too cold. Never too warm.
Always safe. Always secure.

With our knowledge and technology,
our products, our solutions and our services,
we turn places into perfect places.

We create perfect places for their users'
needs – for every stage of life.

#CreatingPerfectPlaces
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