

The University of Chemical Technology Gym Sports & Recreation

Case Study



CLIENT

The University of Chemical Technology Gym
in Beijing, China

CHALLENGE

Integrate energy-efficient natural lighting.

RESULTS

Daylighting incorporated throughout the gym;
no electric lighting needed during the day.

PRODUCT

116 - Solatube SolaMaster 330DS Units

SOLATUBE INSTALLER

China Construction Eighth
Engineering Division Corp. Ltd

ARCHITECT

Walton Design & Consulting
Engineering Co., Ltd

BACKGROUND: The Beijing University of Chemical Technology Gym is a massive sports complex that can hold 3,000 people – with 24 meters between the top of the roof and the floor.

After witnessing Solatube tubular daylighting systems firsthand during the 2008 Beijing Olympics – the ‘World’s First Green Olympics,’ the engineers and design team were inspired by the success of daylighting and decided on Solatube over skylights or other tubular daylighting products.

“The results of this project highlight why Solatube’s technology and products set the standard for tubular daylighting systems.”

-Feilong Wei, Vice General Manager

CHALLENGE: Due to the unique structure in the ceiling, one of the most significant challenges encountered with the University of Chemical Technology Gym daylighting design was how to deliver natural light in an aesthetically pleasing uniform look from below.



The University of Chemical Technology Gym

Sports & Recreation

Case Study

SOLUTION: To achieve the aesthetic design goal, 116 Solatube SolaMaster 330DS Units were installed. Designed to maximize light output at any time of day, the SolaMaster Series offers breakthrough optical technologies and adjustable tubing without losing any light transmission.

RESULTS: The Solatube SolaMaster 330DS Units effectively captured low-angle rays in the morning and late afternoon, and high-angle rays at midday for powerful daylighting performance.

“We chose Solatube first for its brand, second for its service and finally for its quality,” said Feilong Wei, Vice General Manager of the Second Construction Limited Company of China Construction, 8th Engineering Division.

“The results of this project highlight why Solatube's technology and products set the standard for tubular daylighting systems.”

The University of Chemical Technology Gym now offers an aesthetically pleasing, functional and environmentally friendly space, flooded with daylight.



Get design help or information for your next project. Visit <http://www.solatube.com/commercial> or call 1-888-SOLATUBE.

Solatube International, Inc.
2210 Oak Ridge Way | Vista, CA 92081 | 888.765.2882
www.solatube.com | ©2019 Solatube International, Inc.

 **SOLATUBE**
Innovation in Daylighting.