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Zeon Completes Construction of Integrated Production Center at Takaoka Plant

Zeon Corporation

Zeon Corporation (head office: Chiyoda-ku, Tokyo, President and CEO: Kimiaki Tanaka) has completed construction of the Integrated Production Center (IPC) at the Takaoka Plant (Takaoka City, Toyama Prefecture). The IPC will not only function as the core base for “MONOZUKURI” (manufacturing) at the Takaoka Plant but will also contribute to reducing CO₂ emissions with its rooftop solar power generation system and energy-saving equipment. The facility also features reinforced measures against natural disasters. Consolidating previously separate manufacturing departments into the IPC centralizes production information for greater stability and safety at the plant.

The newly completed IPC (nicknamed “Tsurugi”) is housed in a steel-framed, four-story RC building spanning 900 square meters, with a control room on the first floor, an office on the second, a conference room and server room on the third, and an emergency generator room on the fourth. The total cost of construction was 1.6 billion yen. For robustness and reliability, the IPC has been designed to withstand an earthquake of magnitude 7 (Japanese seismic intensity scale), and it incorporates liquefaction countermeasures as well as redundant power and information systems. Furthermore, its ground floor was built 1.5 meters above ground level in accordance with Takaoka City’s hazard map, which indicates predicted flooding from the nearby Oyabe and Shogawa rivers.

The IPC is also an environmentally sound facility capable of cutting CO₂ emissions by approximately 40% compared to conventional buildings, as it has a rooftop solar power generation system as well as energy-saving air conditioning and wall materials.

In February 2005, Zeon established the Production Innovation Center and introduced the Daicel method of production innovation. The Company has been promoting innovation activities with a focus on the decision-making and intervention operations of people working on the manufacturing floor. The Takaoka Plant launched its production innovation initiative in December 2008, bringing together the manufacturing divisions and promoting the development of human resources capable of pursuing an autonomous improvement cycle. As the core location for production innovation, the completed IPC is expected to further accelerate human resource development at the plant. In addition to adopting a flexible arrangement to accommodate future expansion, it will contribute to creating an attractive workplace for employees.

A construction completion ceremony was held at the site on Tuesday, October 18 with 34 people in attendance, including guests from Toyama Prefecture, Takaoka City, and neighborhood community associations, as well as those who had been involved in the construction, Zeon President Kimiaki Tanaka, Takaoka Plant Manager Koichi Miyagi, and others from the Company.

Zeon is working to realize carbon neutrality and a circular economy by transforming its “MONOZUKURI” as a strategy under its Medium-Term Business Plan. The newly completed IPC will serve as the center of “MONOZUKURI” and is a key facility for realizing sustainable manufacturing in the future. Zeon will continue to provide products and services that meet society’s expectations based on its thorough commitment to stable and safe production.



Integrated Production Center (IPC)

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