

# Equipment supplier in the field of gas distribution: Elster-Instromet furnishing the Olympic Games

The world-famous 29th Olympic Games and the Paralympic Games will be held on 8 – 24 August 2008 and 6 – 17 September 2008, respectively, in Beijing, China. In order to hold the most successful Olympic Games in living memory, and to adequately exhibit the heart and soul of the three concepts – “Green Olympics”, “High-tech Olympics” and “People’s Olympics”, the government of Beijing invested 1.2 billion Euro to build, rebuild and temporarily build 31 gymnasiums and affiliated establishments. As one of the important “clean” energy sources, natural gas is widely used in the stadiums and gymnasiums of the Beijing 2008 Olympic Games.



Elster-Instromet, as the world’s leading manufacturer and supplier for gas metering products, provided some meters for part of the gymnasiums and related establishments, including:

## The National Stadium – “Bird’s Nest”

We are providing one SM-RI-X G2500 turbine meter in nominal size DN 250 (PN16), to be used for fiscal metering of the flame, and one Q75 6500 (DN 300/PN16), for flow monitoring in the regulating station of the National Stadium. Both meters will be equipped with EK260 volume correctors.



Another field of application for Elster-Instromet devices is the National Olympic Park:

## National Olympic Green & National Olympic Forest Park

Most of the sporting events will take place in this area which includes the National Stadium, the National Aquatics Center, the so-called “Water Cube”, the National Indoor Stadium and the Athlete Village. For supplying natural gas for the whole area, Beijing Gas Group built a mid-high pressure regulating station, which includes



two turbine meters from Elster-Instromet:

- Q75 10000 (DN 400/ANSI 300) and EK260
- Q75 4000 (DN 300/ANSI 300) and EK260

## Beijing Sun Palace gas-fired power plant

The Beijing Sun Palace power plant, combining gas and thermoelectricity, is one of the most important auxiliary establishments for the 2008 Olympic Games. The electrical capacity is 2x35 megawatts in what are known as “combined-cycle” units, and its yearly gas consumption is about 900 m. scm. It undertakes heating



in winter, refrigerating in summer and the electrical supply for the Olympic gymnasiums such as the National Stadium, “Bird’s Nest”, the National Aquatics Center, “Water Cube”, and the surrounding areas. It will replace several coal-fired heating boilers in the area. The major benefit is the improvement of the air quality and the city sight in Beijing, especially in the Olympic Park and the neighbouring areas. In addition, it also enhances the capability of peak power adjustment and the stability of the electricity grid in Beijing. The power plant also uses gas meters supplied by Elster-Instromet.

- 5 SM-RI-X G4000 (DN 300/ANSI 300)
- 4 gas-net F1 flow computers
- 2 gas-lab quality analyzers
- 1 TRZ G65 (DN 50/ANSI 300)
- 1 EK260

We have now completed the installation and commissioning of all the gas meters for the Beijing 2008 Olympic venues, and some of the meters (such as in the Beijing Sun Palace power plant) are already operational.

With the Beijing Olympic Torch beginning to relay around the world, the atmosphere of Olympic is getting stronger. Beijing is ready to receive the athletes and visitors from all around the world. Every athlete strives for a medal. As a relevant supplier in the field of gas distribution, Elster-Instromet has also played its part in the Beijing Olympic Games.