
Ecology first for Central Japan Railway Company

SINCE ITS ESTABLISHMENT IN 1987, THE CENTRAL JAPAN RAILWAY COMPANY (JR CENTRAL) HAS VIGOROUSLY PROMOTED TECHNOLOGICAL DEVELOPMENT. JULY 2002 SAW THE OPENING OF THEIR NEWEST RESEARCH CENTRE IN KOMAKI IN SOUTHERN JAPAN.

WITH A RESPONSIBLE FOCUS ON THE ENVIRONMENT, THE NEW FACILITY INCORPORATES ECOLOGICAL TECHNOLOGY IN A NUMBER OF APPLICATIONS, INCLUDING SOLAR POWER, COGENERATION AND ICE STORAGE.

THE SITUATION

The 20 hectare complex in Komaki contains over 12,500 square metres of office space, large-scale test equipment, an outdoor test track, a wind tunnel, a Shinkansen Bullet Train driving simulator as well as global environment conservation facilities.

The global environment conservation facilities were to include a 560kW energy-saving cogeneration system. JR Central wished not only to make a contribution to conserving the global environment, but also to be able to pursue technical development in the field of new energy sources.

THE GRUNDFOS SOLUTION

Over 50 multistage CR pumps have been installed, playing an important part in the centre's cogeneration system. In cogeneration, heat energy and electrical or mechanical power is produced from the same fuel in the same facility. Here, waste heat (as in steam) can be used to produce electricity or employed as a heating source.

THE OUTCOME

TOPIC:

Efficient operation - Energy savings - Integrated system solution

LOCATION:

Japan

COMPANY:

The Central Japan Railway Company (JR Central)

JR Central presently enjoys low energy consumption, a large amount of free floor space and elegant installation where Grundfos is incorporated into their systems.

Grundfos pumps provide high-quality, reliable operation within hot water circulation, as just one example. The vertical pump category furthermore suits the Japanese market well, where land is sparse.

Related Products



CR VERTICAL MULTISTAGE CENTRIFUGAL INLINE PUMPS

Multistage pumps for pressure boosting in a wide range of applications