

Reference Project

Urbanmediaspace.dk



Urban Media Space Aarhus, Denmark



Frese S



Frese OPTIMA



Frese OPTIMA Compact



Frese OPTIMA Compact

Project overview and details

Aarhus Municipality has begun the work on one of the largest construction projects it has ever undertaken, with a price tag of DKK 2.25 billion. The project will link the city and the water, impacting on the harbour area and urban life. The central harbour area will be transformed from an industrial harbour into an urban space.

The project is called Urban Mediaspace Aarhus, and covers construction of Aarhus' new main library and citizen services centre, totalling 18,000 m², as well as approx. 10,000 m² of leased floor space.

The project also covers construction of waterfront areas and the largest automatic car park in Northern Europe, with a capacity of around 1000 vehicles. The car park is expected to be ready for use in late 2014, while the waterfront areas and the rest of the project will be completed at the end of 2015.

Task

The municipality is also giving priority to sustainable solutions. The project therefore focuses on optimising energy consumption, indoor climate and material choices. All contractors and subcontractors are subject to strict requirements in relation to quality products, reliable delivery and low-noise maintenance-free operation of the heating/cooling system. As a subcontractor Frese was chosen also to be a sparring partner and adviser when configuring valves and calculating flow in the various systems.

Solution

Frese's dynamic control valves were chosen to ensure hydronic balance in the heating/cooling system and correct temperatures throughout the building. Two hundred Frese S, Frese OPTIMA and Frese OPTIMA Compact valves (DN15 to DN50 flange valves) are being installed.

Frese OPTIMA Compact valves combine an adjustable automatic balancing valve, a DPCV and a modulating motor valve with full authority, independent of maximum flow. Frese OPTIMA Compact valves make it easy to achieve 100 percent flow control in the building, while creating a high degree of comfort and energy savings. No extra commissioning is required if the system is later expanded.

KNOWLEDGE

QUALITY

INNOVATION

MANUFACTURING
EXCELLENCE

CUSTOMER
FOCUS

Frese
Energy-saving valves