

# DataHubVerne has it all

LOCATION AND COST ARE KEY FACTORS FOR THE COMMERCIAL SUCCESS OF DATA CENTERS. AN INDUSTRIAL ZONE CLOSE TO PRAGUE AND THE GERMAN BORDER, AND CZECH'S LARGEST POWER STATION, TICKED ALL THE BOXES FOR THE INVESTORS IN DATAHUBVERNE.

With construction due to start in October 2017, a Tebodin consulting team combining best practice from the Czech Republic and Poland is working hard on the EPCm contract. DataHubVerne will be a brand new data center built on 4 ha of an industrial zone, 90 km from Prague. The location and low power costs make the site ideal for a data center hub. Close to the German border, there's potential to attract businesses from a wide geographic range. And it's only 2 km away from one of the largest power stations in the Czech Republic, the EZ Pruné ov power plant.

## Close to ideal

CEO of DataHubVerne, Mr. John Stotter explains their choice: 'Our direct connection to the power plant offers security of supply and one of the lowest electricity prices in Europe. We have

150MW available solely for the site. This ideal connection to the power network is mirrored with excellent data connectivity providing speed of 2.5 ms to Prague NIX exchange and 8 ms to Frankfurt.' Power usage effectiveness will be 1.2, very close to the ideal of 1.0, partly due to the adiabatic cooling system.

## Vapor technology

'DataHubVerne will be the first data center in Central Europe to deploy the world's first energy efficient rack for dense compute workloads, providing a most efficient data center, that uses patented Vapor Chamber technology', says Stotter. 'This is a self-contained, patented circular enclosure system for servers, designed to house equipment in a high-density way. Although it's a new concept, this open compute technology



Part of the DataHubVerne/Tebodin project team (Mr. John Stotter is second from right).

does allow for use of classic data racks, with capacity up to 25 kW per data rack.'

The company asked Tebodin for support at the feasibility stage, based on past experience on other industrial and data center projects in Central Europe, and has retained us for EPCm. Project Manager Jan Vedral is leading the team. 'We are working on a 3D BIM design process and finalizing structures resistant to tornadoes. Our colleagues in Poland have substantial experience with data center preparation, so it's been great to exchange best practices on innovation.' This also resulted in environmentally friendly solutions, e.g. for efficient cooling. The data center uses rain water without the use of phosphates for water softening and recirculates it. ■

