



AIRPORT FRANKFURT AM MAIN APRON - SOUTH PROJECT

PROJECT SERVICES

Preliminary and concept design
Approval design
(building applications, BetrSichV, WHG)
Final design
Advertising and award negotiations
Material inquiries and orders
Construction supervision
Project management
Review of third-party drawings
Preparation of as-built documents

TECHNICAL DESCRIPTION / TECHNICAL DATA

20 000 m Hydrant lines DN 500 / DN 400
19.000 m DN 150 pit lines
1150 m Micro-tunneling DA 2200 mm
50 each Distribution and valve boxes, Class F900
75 each Aircraft positions with 2 to 4 pits per position
19 each LVS and MCR switch cabinets,
explosionproof
Mechanical and piping equipment
Reconnection and connection to existing systems
Electrical supply
Measuring, control and regulation technology
Cathodic corrosion protection

PROJECT DESCRIPTION

Additional aircraft positions were necessary for the extension of the airport with an additional terminal. The existing refueling system had to be extended for supply of these position.

The pipe system required for the supply was pulled-in a DA 2200 jacking pipe under the start and landing strip system during ongoing flight operation and installed with the specified slope.

Hydrant and pit lines to the individual apron positions and required valve boxes were installed with open construction.

The extension of the hydrant system was closely technically coordinated and scheduled with the requirements of the flight operation and the expansion planning of the individual ramps.

Technical and time scheduling of the required reconnection and integration work to the existing hydrant system was performed in observation of the operational procedures of the ongoing flight operation.

Planning and construction was based upon the Operational Safety Ordinance (BetrSichV), Ordinance Regarding Systems for Handling Agents Hazardous to Water (VawS), the Federal Water Act, as well as the acknowledged state of the art.

CLIENT

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