



Photo INTEC

**Ernst-Reuter-Platz
Berlin - Charlottenburg, Germany
Restoration of Two Historical Fountains**



Case Study

**INTEC International Construction
Consultants GmbH & Co. KG**



Fountains in the evening
Photo INTEC

Client

Senate Department of Urban Development
Berlin

Preservation Authority

Landesdenkmalamt Berlin (Regional Monument Authority)
Berlin

Landscape & Environmental Planning

HORTEC GbR Garten-, Landschafts- & Stadtplanung
Berlin

M & E- Design & Construction Supervision

I N T E C International Construction Consultants
GmbH & Co. KG

Location

Located in the borough of Charlottenburg, the two fountains are situated in the centre of the Ernst-Reuter-Platz square.

History

The original fountains were built in 1961. Years of deterioration and high maintenance costs caused for the seizure of operation in 1993.

However, in the mid 1990's it was decided upon to reconstruct and renew the fountains according to its original design. Finally, in 1998, the reconstruction of the fountains including all mechanical and electrical services began.

Features

Both fountains were reconstructed according to the original plans of Werner Dittmann and Bernhard Hermkes. All mechanical and electrical services, water treatment and control systems are situated in an underground pump station.

The spray heads and nozzles were specially made for these fountains ensuring that the spray pattern remained the same as the original. The use of modern pumps, underwater lighting fixtures and automatic control systems help keep operational costs as low as possible.

INTEC Services

INTEC was awarded the contract for M&E- design & construction supervision by HORTEC GbR Garten-, Landschafts- & Stadtplanung, Berlin.

The project was completed in only 5 months requiring qualified, stringent design and site supervision services.

Project Data

Two fountains in the centre of the public square:

- | | |
|-----------------------------|----------------------|
| • 1st Basin | 40.0 m x 30.0 m |
| • 2nd Basin | 19.0 m x 19.0 m |
| • Basin Material | Concrete & tiles |
| • Bronze Spray nozzles | 62 |
| • Underwater Light Fixtures | 180 |
| • Spray height | 9.0 m |
| • 5 Circulation Pumps | KSB-Etabloc |
| • Water treatment plant | Algaecide & chlorine |

Total Investment

DM 3,0 Million
50% contributed by the Berlin Government
50% contributed by the Berlin Waterworks Authority

INTEC
International Construction Consultants
GmbH & Co. KG

Zur Wetterwarte 27
01129 Dresden, Germany

P.O. Box 23 02 19
01112 Dresden, Germany

Tel.: +49 (0) 351 / 656 333 - 92
Fax: +49 (0) 351 / 656 333 - 98

Email: info@intec-consult.com
Internet: www.intec-consult.com