Phone: +49 (0) 9383/203-603
floorsystems@mero-tsk.de
www.mero.de

TWL KOM Data Center Ludwigshafen

Builder:	**Technische Werke Ludwigshafen AG**
Architects:	**Arch.- Büro Laier Ludwigshafen Mr.Laier**
Site management:	**Ing.- Büro Reif Montabaur Mr. Reif**
Floor systems:	**Switchgear floor Type 2-600 / 6 NB36 FFH 1200 mm** **Type 2-600 / 6 NB36 FFH 190 mm on double-sided steel structure**
Execution:	**2010**

The challenge for architect, site management and contractors was to transform a vacant industrial building into a high efficiency data center within a very short time.
An area of about 1350 m² was equipped with an incombustible MERO access floor switchgear construction. At a floor height of 1200 mm all floors were designed for a concentrated load of 6.000 N with 2-fold safety according to DIN EN 12825. The linoleum floor coverings were supplied in two different colors. The colors were divided into electrically conductive coverings for the computer rooms and the more favorable, insulating floor coverings for the corridors and the rooms with electrical equipment.
In the main entrances and parts of the surrounding corridors the MERO access floor was early provided with interim panels so that the core areas were easily accessible for all companies.
On request, in some computing rooms racks were installed on open frame constructions and the cold air was conducted directly to the racks from below. In other rooms, the cold air was conducted along the back side of the racks by means of MERO air conditioning panels.
In one of the computer rooms the MERO access floor was mounted onto a steel structure consisting of double-T profiles provided by the customer. To increase safety, floor panels at a drop height of 2.40 m can be screwed from below.

MERO-TSK International GmbH & Co. KG
Phone: +49 (0) 9383/203-603
floorsystems@mero-tsk.de
www.mero.de

TWL KOM Data Center Ludwigshafen

Following constructions were installed:

- **Corridor**
  Switchgear floor Type 2-600/6NB36 consisting of calcium sulfate panels with linoleum covering applied at factory and galvanized steel sheet underneath. At a construction height of 1.20 m, the emergency exit was provided with a floor type classified F30.

- **Technical rooms**
  Switchgear floor Type 2-600/6NB36 consists of calcium sulfate panels with linoleum covering applied at factory and galvanized steel sheet underneath. In the 1.20 m high floors the substructure for the switchboards was installed.

- **Computing rooms**
  Switchgear floor Type 2-600/6NB36 consists of calcium sulfate panels with linoleum covering applied at factory and galvanized steel sheet underneath. The conductive floors have different construction heights. The access floor is partially mounted on a 2.00 m high steel structure provided by the customer.