



Establishment of a transitional solution at the
Werner-von-Siemens school in Frankfurt am Main



Solution: Unscheduled
heating system failure



An unscheduled failure of the heating system at the Werner-von-Siemens school in Frankfurt am Main

Back in the fall of 2010, the performance of the heating system at the Werner-von-Siemens school declined sharply and steadily in response to the failure of a few cells in the electric boiler plant, and the heat pump ceased being able to compensate for this at low ambient temperatures. It was then feared that the 1800 school pupils as well as the many users of the sports building would soon be sitting in the cold. "Hotmobil presented us with a carefully conceived as well as cost-effective offer. We had already worked with this service provider successfully on a few occasions. We were therefore confident that we could obtain an optimum solution for the Werner-von-Siemens school", reported Michael Will from the Building Services

department of the Civic Engineering authorities in Frankfurt. The needs analysis compiled jointly with Hotmobil demonstrated that a capacity of 1000 kW would be sufficient to cover times of peak demand. Due to the fact that the school sports building and its washrooms also needed to be supplied, and that hot water was also required during the summer months, the mobile system had to remain connected up throughout the whole year. It remained there until the completely new design of heating plant had been commissioned and was up and running. During that entire period, this cost-effective interim solution worked without a hitch!



Type	Heating container MHC 1.000
Heat output	560 – 1,000 kW
Dimensions L x W x H	6,058 x 2,438 x 2,591 mm
Weight	approx. 6,500 kg
Medium	Hot water 90 / 70 °C
Safety pressure	Heating 4 bar
Safety technology version	to DIN EN 12828
Circulation pump	43 m ³ / h : 20 mWS
Integrated fuel tank	2,000 liters
Fuel	Heating oil EL (or natural gas)
Frost protection	Yes
Remote / tank monitoring	optional
Power connection	400 V / 16 A
Flue system	Stainless steel flue
Flexible connection lines	IF/OF
optional	External tank system

Subject of technical changes - only for information

Options:

Can be combined with various tank sizes and with other accessories, e.g. mobile air heaters to heat building interiors and/or air-conditioning.

Hotmobil Germany GmbH - Performance Profile:

- Hire, Sale or Lease from Power stations for mobile production of hot water, hot water and steam, Refrigeration and Air Conditioning
- 24-hour hotline
- 10 locations in Germany
- Energy guarantee for individual emergency solution within a 6-hour response time

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