



Made efficient: Phoenix AG/ContiTech AG

Hamburg

For over 150 years, the Phoenix brand has been synonymous with rubber technology excellence, particularly in vibration isolation, hose and materials handling. Phoenix special hoses are a leading product for the large excavator and oil industry. Phoenix Compounding Technology employs state-of-the-art technology to produce over 100,000 tones of compounds each year. Since the takeover in January 2007, Phoenix AG is operated under the umbrella of ContiTech AG, the specialist for rubber and plastics technology.

Since 1998, HOCHTIEF Energy Management GmbH operates and manages the energy supply facilities at what are now the ContiTech sites in Hamburg and also supplies multiple factories in the vicinity.

Technical facilities modernized.

CO₂ reduced



ContiTech AG/Phoenix AG

Requirements

The processing of rubber is very energy-consuming – the primary need being large volumes of steam and compressed air for the production of high-tech products. As early as 1998, the former Phoenix AG (now part of ContiTech AG) came to the conclusion that the operating costs in Hamburg-Harburg needed to be reduced in order for the company to remain competitive. The search was on to find a partner whose energy expertise would guarantee an increase in supply reliability, reduce operating costs, relieve management and administration and finance the necessary facility conversions. Phoenix AG was one of the first major industrial customers to place its trust in services from HOCHTIEF Energy Management GmbH.

Results

For over ten years, HOCHTIEF Energy Management has been successfully providing services to ContiTech AG at the site in Hamburg-Harburg. After the takeover and redevelopment of the complete energy facility in 1999, the company has been supplying steam, compressed air and industrial water. The price benefits achieved through optimization and savings are passed on to the customers. The power distribution network on the factory site is also managed by HOCHTIEF. The company's own employees perform all services related to the energy supply and upgrading of energy and are also responsible for the maintenance and upkeep of their own and the customer systems. As part of the partnership co-operation, HOCHTIEF Energy Management ensures optimum reliability and efficiency of the energy supply. The customer does not need to invest any own capital in the improved supply and savings achieved.

The success story continues

The contract with ContiTech AG was successfully extended in 2008. A wide range of modernization and energy saving measures were again included in the follow-up contract.

Through a new analysis of the changes in the customer's consumption profile over the past years, the facility systems and supply technology, plus the resulting range of modernization measures, it has been possible to save another over 2000 tonnes CO₂ each year. An efficient energy infrastructure has become even more significant today, in light of the high increase in energy prices, and is now a decisive competitive factor which also affects the stability of workplaces.

Services provided by HOCHTIEF Energy Management

- Facility redevelopment and reconstruction
- Facility operations
- Facility optimization
- Supply of useful energy
- Comprehensive energy supply advice

Investment

- Investment in advanced compressed air technology, speed-controlled cooling water system, electricity networks (replacement of medium voltage system) and process technology, plus state-of-the-art boiler technology for the steam and hot water supply (low carbon monoxide, low Nox)

Media

- Steam, compressed air, industrial water/cooling water



Savings

- The 2007 and 2008 measures realized for and with the customer will achieve total savings of around 750,000 Euros.

Customer benefits

- Reduction in media and purchase prices
- Increase in energy efficiency in the energy control center and factory
- Modernization of system technology and availability
- Maximization of energy cost transparency
- Takeover of additional services affiliated with the operating company

Efficient energy – perfect workflow

