

BadeLand am Allerpark, Wolfsburg/Germany

OSEC®-NXT

Membrane electrochlorination system

The challenge

The "Badeland am Allerpark" leisure center in Wolfsburg opened in 2002. It represents a generous Mediterranean swimming pool with 3,000 sq m (32,292 sq ft) water.

The Badeland is a community owned pool center, one of 17 swimming pool centers which are operated by the company GMF, Germany.

The biggest pool in the water park is a sports pool with ten 50 m (164 ft) lanes, there is a 110 m (361 ft) long water slide and another channel water slide. The attractive sauna area was enlarged to 2,500 sq m (26,910 sq ft). It contains twelve different saunas. An average of 2,000 visit the "Badeland" daily. The recreation center in Wolfsburg is equipped with Wallace & Tiernan® technology – like all the 17 swimming pools of the GMF

company. The operators in Wolfsburg decided to use two Wallace & Tiernan membrane electrochlorination systems. Each system runs 16 hours a day. Together they produced four kg (8.8 lb) chlorine per hour. As a higher yield was needed the responsible operators wanted to buy two new systems. Because of their experience with the reliability and ease to maintain Wallace & Tiernan systems, they decided to purchase additional Wallace & Tiernan electrochlorination systems.

The solution

In place of two OSEC®-NT systems there are now two OSEC-NXT 60 kg systems in use – the largest size model with five cells. Each system produces up to 60 kg (132.3 lb) chlorine per day. The long-time experience with water disinfection in swimming pools in general and in electrochlorination systems led to the development of the new OSEC generation. The OSEC-XT generation is fitted with a power control that extends the life of the whole system, especially the electrolysis cells. The high reliability is a result of the high-quality materials used. The electrochlorination system is equipped with an easy to handle touch screen panel. The scope of supply includes a ChemWeb-



Case study

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Server making it possible to observe all values and parameters of the system via the Internet. For added security, the Web-Server can be password protected.

Scope of supply:

- Two OSEC®-NXT systems, producing 60 kg (132.3 lb) chlorine a day with product tank and dosing system; complete measurement and control system with environment friendly CO₂ dosing technology for pH value correction

Five good reasons for OSEC®-NXT systems:

- High efficiency by optimized and continuous conversion from brine to sodium hypochlorite solution
- Long life system through optimized production and integrated capacity control
- High operating safety, just requiring salt and water
- User-friendly touch panel control
- Skid mounted system for easy installation



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Indoor pool area

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