

## CASE STUDY WILLIAM BEAUMONT HOSPITAL – ROYAL OAK, MI



At their Royal Oaks location, Beaumont Hospital, which has multiple facilities in Dearborn and Taylor, Michigan, recognized the vital role of maintaining RF doors to ensure operational efficiency and prioritize patient safety. They turned to ETS-Lindgren for a comprehensive RF Shielding and Door Maintenance solution. The primary goal was to prevent issues such as friction buildup and decreased shielding performance of the RF doors. ETS-Lindgren proposed a maintenance plan that included regular cleaning, inspection, and adjustments, along with basic training for Beaumont's staff. The plan also allowed for additional services such as RF testing and repairs. To minimize disruptions, maintenance was scheduled at optimal times. ETS-Lindgren showcased its exceptional expertise and industry-leading capabilities by

providing top-notch service not only for ETS-Lindgren doors but also for doors manufactured by other industry suppliers. The expertise in servicing the pneumatic air sealing doors proved instrumental to the complete capabilities provided in the maintenance plan.

The culmination of this successful collaboration resulted in a three-year contract. The decision to choose ETS-Lindgren was influenced by the long-standing relationship in all Beaumont locations, the track record of maintaining a clean and efficient operation, flexibility compared to competitors, and demonstrated experience in working with various door suppliers.

### The Problem

- The RF doors at the hospital were facing challenges such as friction buildup and decreased performance. These issues could potentially disrupt the operation of the healthcare facility, affecting the day-to-day activities, staff and patient safety as well as patient throughput.
- Maintaining the RF doors to ensure their longevity and efficient operation was a key concern.

- Without proper care and maintenance, there was a risk that these doors would not perform optimally over time, potentially leading to operational disruptions.
- Poorly performing doors may adversely impact the quality of the images produced by the magnet, thus reducing the optimal performance of the magnet.

### The Solution

- ETS-Lindgren offered a plan that involved regular cleaning and inspection of the RF doors. This maintenance routine was designed to prevent issues such as friction buildup and ensure that the doors continued to operate efficiently.
- The solution included adjustments and repairs as needed, with a particular focus on door contact surfaces, hinges, and bearings. This proactive approach aimed to maintain the optimal performance of the doors and extend their life.
- ETS-Lindgren offered supplementary services, such as RF testing and repairs, to address any unforeseen issues and to support the long-term operational efficiency of the RF doors.

- To ensure that Beaumont's crucial healthcare services would not be disrupted during maintenance operations, ETS-Lindgren's technicians scheduled maintenance at optimal times, thereby minimizing downtime.

### About ETS-Lindgren

ETS-Lindgren is an international manufacturer of components and systems that measure, shield, and control electromagnetic and acoustic energy. The company's products are used for electromagnetic compatibility (EMC), microwave and wireless testing, electromagnetic field (EMF) measurement, radio frequency (RF) personal safety monitoring, magnetic resonance imaging (MRI), and control of acoustic environments.

Headquartered in Cedar Park, Texas, ETS-Lindgren has manufacturing facilities in North America, Europe, and Asia. Additional information about ETS-Lindgren is available at [www.ets-lindgren.com](http://www.ets-lindgren.com). Additional information about ETS-Lindgren's parent company ESCO and its subsidiaries is available at [www.escotechnologies.com](http://www.escotechnologies.com).



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