

**Predictive Analytics Solution  
Pharmaceutical Industry Application**

Solutions originating from the shop floor comprised of factory automation (FA) and Edge IT systems, leveraging the knowledge of shop floor and cutting-edge technologies to achieve the overall optimization of manufacturing.

**e-F@ctory Promotes an “Open” Shift in order to accelerate collaboration and innovation in the manufacturing for Greater Sustainability**

**Production Equipments**

The pharmaceutical industry has the most precise requirements and manufacturing guidelines in terms of quality. As a result, it is critical that pharmaceutical manufacturing equipment comply with good manufacturing practice (GMP).



**Problem Statement:**

The equipments mainly RMG, Fluid Bed Dryers, Blenders, Compression Machines etc. are heavily relies on rotary equipments such as Motors, pumps, fans etc. all equipment are critical to operations and is costly to maintain—and if failures occur, production output is dampened.

**Solution:**

Mitsubishi Electric's through its advanced algorithm detects anomalies in the capture data and enables user to take preventive action and avoid unplanned production downtime.

**Benefits:**

- Reduce Production losses by 10%
- Reduce equipment maintenance cost by 10%

