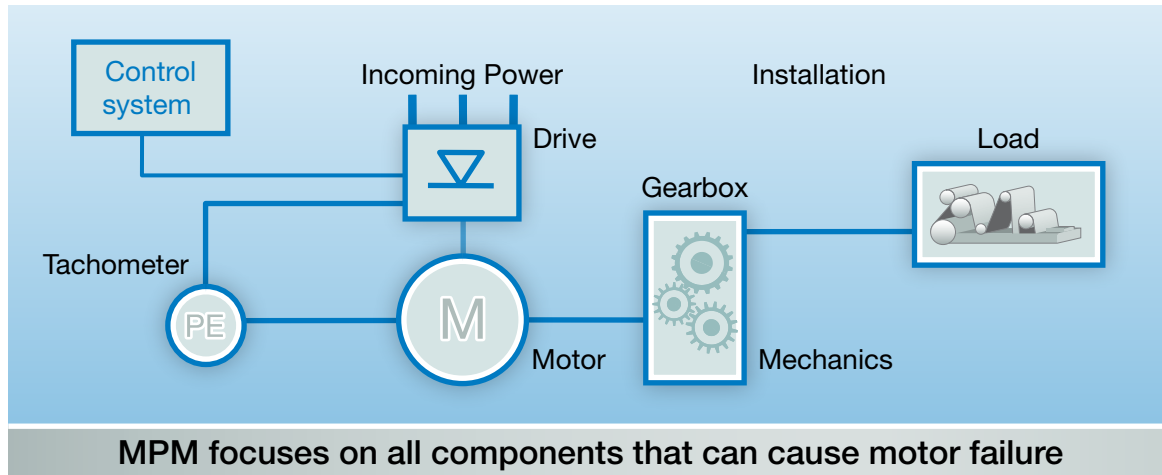


# ABB Motor Performance Management<sup>®</sup> (MPM)

Motor Performance  
Management  
Reliability Services

## Increase motor availability, reduce motor failures, and optimize energy and maintenance cost

MPM is a performance-based partnership where ABB assumes responsibility for managing your entire motor maintenance function including ABB and third-party electrical motors. MPM leverages ABB's expertise and proven methodologies to drive plant performance and cost reduction improvements through successful motor maintenance.



### Benefits

- Enhances safety
- Increases Overall Equipment Effectiveness
- Reduces motor repair, replacement, storage and change-out cost
- Reduces energy cost
- Optimizes maintenance cost
- Improves motor system reliability and availability
- Increases maintenance program effectiveness
- Improves long-term motor management consistency

- Preventive & predictive maintenance
- Motor installation practices
- Repair workshop management practices and performance
- Motor stores
- Energy optimization program and performance.

The resulting business case provides improvement recommendations with estimated return on investment.

### Contractual commitment to motor performance improvement

ABB's profits are aligned with increasing your motor performance. ABB can contractually commit to Key Performance Indicators (KPIs) including availability, and energy and maintenance cost improvements.

### Process

ABB and the customer develop mutually agreed KPIs to measure success.

The types and targets of KPIs can depend on equipment condition, historical equipment maintenance and management practices, and areas that need most improvement.

### Identifies opportunities for motor performance improvement

A feasibility study benchmarks your motor function against industry productivity and cost best practices. The study evaluates five key areas:



ABB  
SERVICES

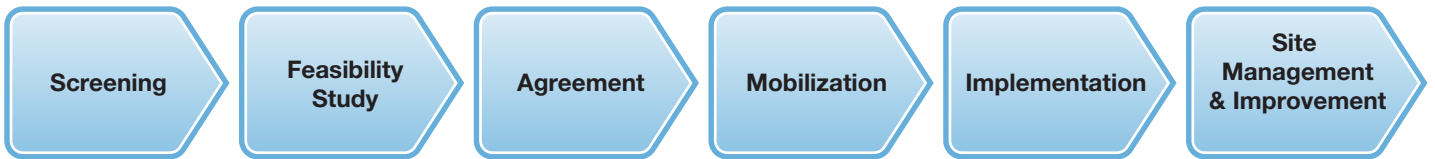
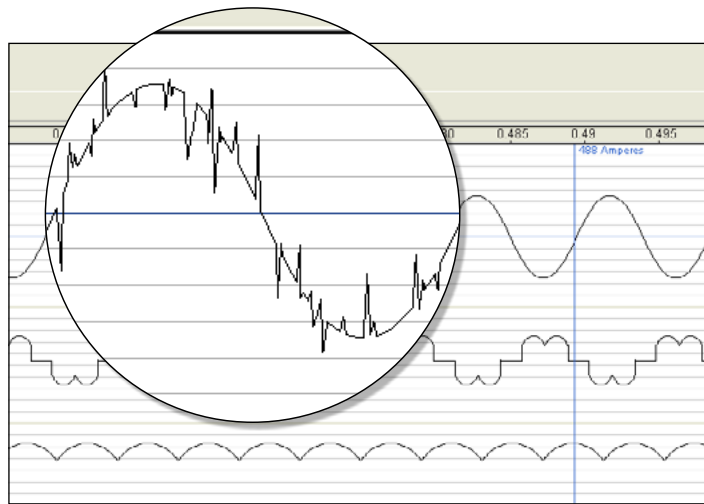


ABB follows a well-defined process to ensure Motor Performance Management success at each site.

KPIs can include:

- Near misses & total indicated run-out %
- Downtime due to motor failures
- Motor maintenance cost
- Average cost of repairs (per size)
- Number of motor failures
- Number of unexpected motor failures
- Preventive Maintenance schedule compliance



MPM leverages electrical motor monitoring to capture fluctuations in motor efficiency and identify the true root cause of motor failure

## ABB MPM drives improvement

“Monckton has a solid customer base, excellent products and a first-class workforce. However, to remain competitive and to be at the leading edge of environment standards, it is essential that we keep up with the latest technologies and working practices. We felt that ABB was the ideal partner to help us achieve this in the next stage of our development.”

Mike Gore, Works Director,  
Monckton Coke & Chemicals Company LTD  
Barnsley, South Yorkshire, England



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