

# Partial discharge measurements of high-voltage motors


## Your key concerns:

High-voltage (HV) motors are very often critical production assets, whose failure usually resulting in loss of production or downtime at the generating facility in question. Many industrial sites use older HV motors in their production chain since investments in new ones or the refurbishment of older equipment are very capital intensive.

## Our solution:

Our quality assessment of HV motors, with periodic follow-ups and screening of your fleets of motors to identify weak components, combines optimal asset usage and risk evaluation, at moderate cost. This solution offers owners of fleets of HV motors the best total cost of ownership.

## Benefits for your business

- Improve efficiency of maintenance activities
  - Avoid and reduce operational costs
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## Our added-value

As part of ENGIE, one of the world's largest power companies, EMS has built up extensive know-how over many decades in operation & maintenance solutions, enabling us to improve the reliability and profitability of production assets.

### Our customer reference

 Doel 1 and 2 nuclear power plants (Belgium)

#### Context:

Both Doel 1 and 2 units came on stream in 1975, so their HV motors have been in operation for more than 40 years

#### EMS solution:

Our measurement team assessed all 45 non-nuclear safety-related motors and drew up a detailed report enabling qualitative comparisons between them. That report prompted the decision to refurbish 16 motors. Five will undergo annual re-measurement, the remainder will be re-measured every 5 years.

#### Benefits:

Optimal reliability of the fleet of HV motors with minimal capital investment.

20  
field service specialists

10  
experts

More than  
150  
industrial & power plants covered

More than 60 years' experience to help you face your challenges!



For more information  
Contact our cooperation team  
email at [ems.services@engie.com](mailto:ems.services@engie.com)  
[engie.com](http://engie.com)