

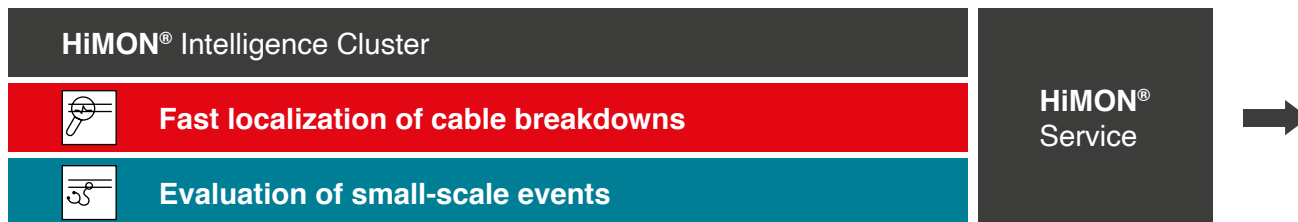
**HIGH**  
**VOLT**

**HiMON<sup>®</sup>**

Modular measuring and condition assessment system for fast  
localization of cable breakdowns and evaluation of partial discharges

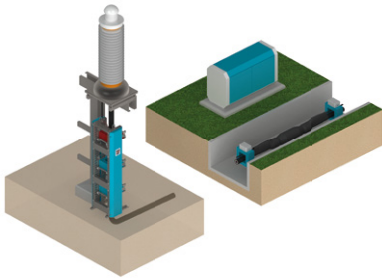
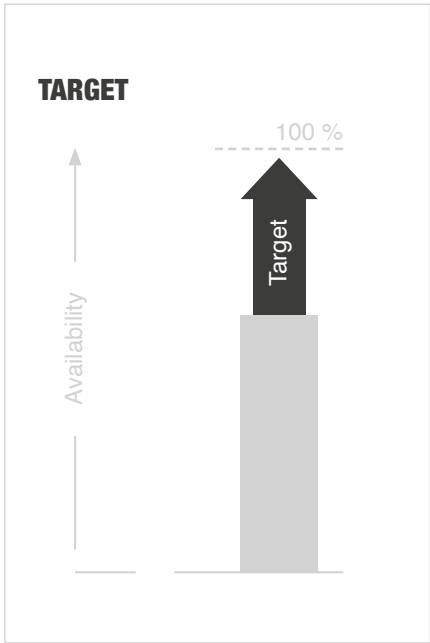
**DESIGNED FOR HV CABLE SYSTEMS**

## HOW TO INCREASE AVAILABILITY IN CABLE SYSTEMS?



### **BENEFITS**

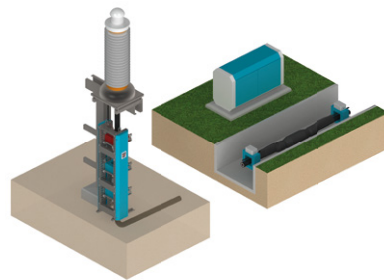
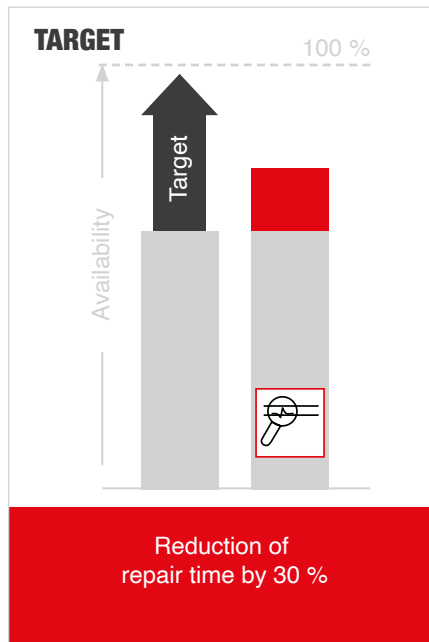
- Non-invasive integration into new and existing cable systems
- Robust design
- Designed for factory and commissioning testing as well as monitoring



Find more details, technical insights, papers, videos, ...  
<https://himon.highvolt.com>



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## FAST LOCALIZATION OF CABLE FAULTS



### METHOD

Real-time time-domain reflectometry (RT-TDR)



### SENSOR

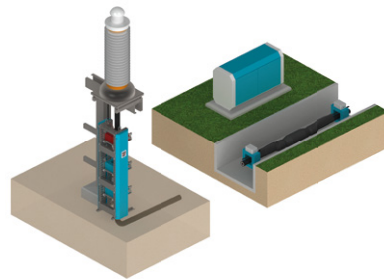
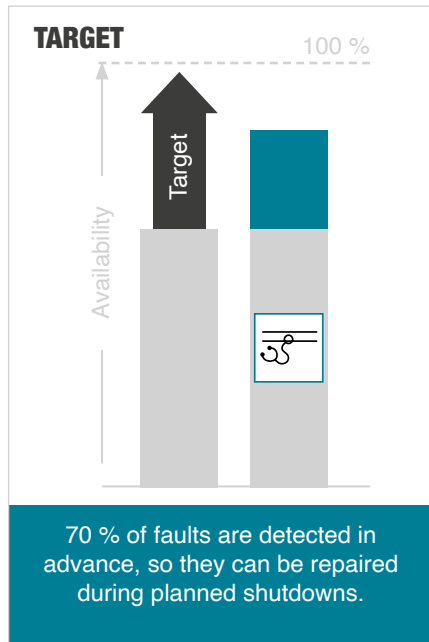
**HiMAG<sup>®</sup> Red** for large-scale signals



### EVENT RECORDER

**HiRES<sup>®</sup> Locator**  
 125 MS/14 bit





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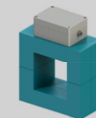
## REAL-TIME MONITORING OF CABLE HEALTH

### METHOD

Real-time transfer function and TruePD



### SENSOR



HiMAG® Blue for small-scale signals



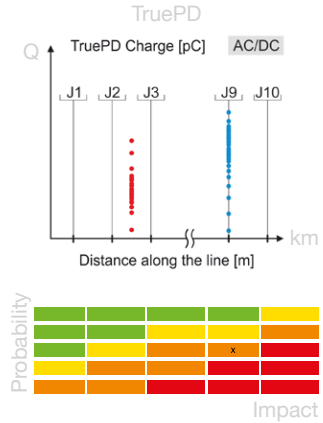
### EVENT RECORDER

HiRES® TruePD  
 250 MS/16 bit

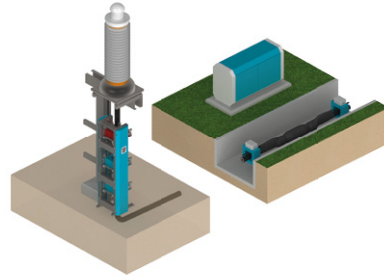


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## RESULTS



Spatially resolved PD,  
Recommendations for actions



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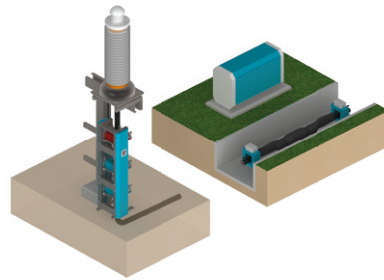
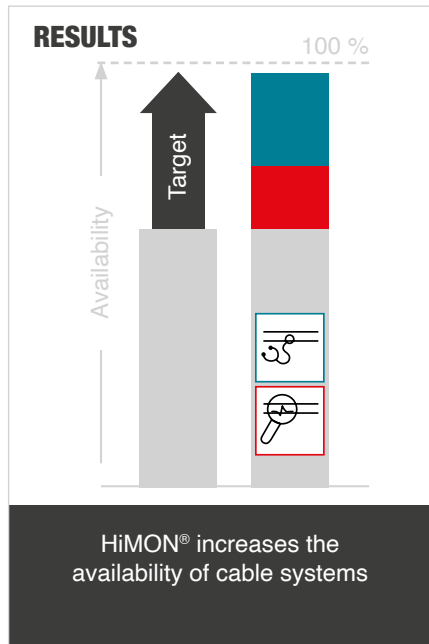
## HIMON® INTELLIGENCE CLUSTER



- Assessment of cable health
- Recommendations for predictive maintenance
- Fault localization



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## HiMON® SERVICE

- Full support during the operating time of the cable system
- Customized service packages available



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