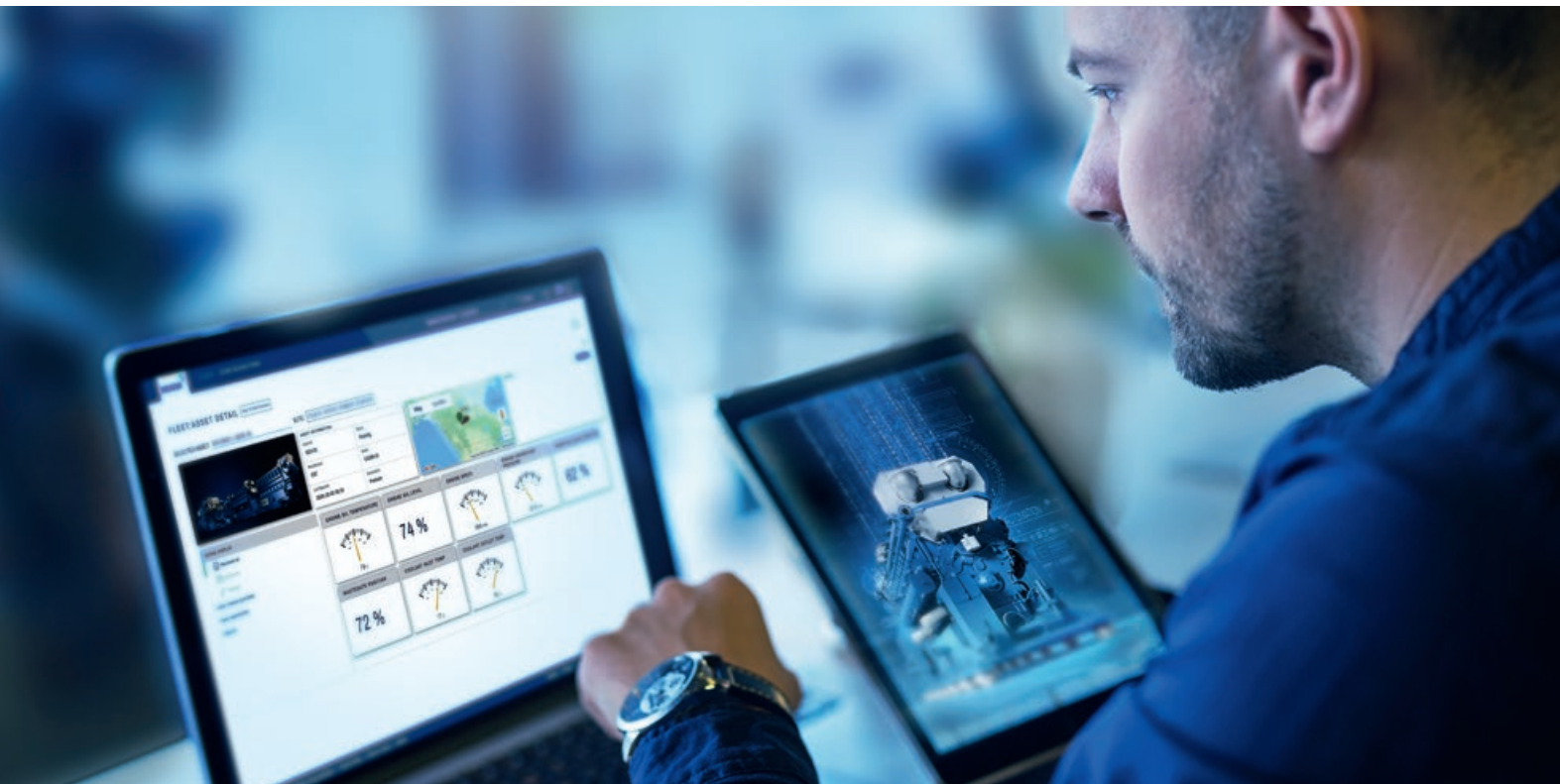


MWM Remote Asset Monitoring TPEM Integration

MWM Remote Asset Monitoring (RAM) is now available for MWM generator sets controlled by TPEM. New generator sets will be delivered factory fit, existing installations can easily be upgraded with a retrofit kit.



Benefits

- ✓ All MWM RAM advantages now available for TPEM controlled generator sets
- ✓ No installation and no additional hardware or wiring necessary, only subscription needed
- ✓ Use of existing TPEM Ethernet connection, cellular connection available
- ✓ Always secure and current by over-the-air updates
- ✓ Simple end-to-end communication between customers and service providers
- ✓ Intermediate subscription available*
- ✓ Upgrade over-the-air to the premium subscription levels to benefit from additional features like analytics and customized reports
- ✓ Easy to support multiple generator sets up to entire fleets
- ✓ Excellent troubleshooting support with instant notifications & reports

*Subscription levels see table on page 2

TPEM CC Factory Fit

- ✓ Telematics device PLE with factory fit integration into TPEM
- ✓ Online activation that saves trips to the site
- ✓ Seamless integration into TPEM cabinet, no cabling required
- ✓ TPEM Ethernet connection as standard
- ✓ Cellular module optionally available
- ✓ PLE certified worldwide*

Retrofit Kit

Simple installation: TPEM cabinets in the field can easily be upgraded with a retrofit kit.

- ✓ Fits all existing TPEM cabinets in the field
- ✓ Identical features and functionality as factory fit integration
- ✓ All cabling and terminals are included in the kit

*See PLE specifications for details

Overview of Subscription Levels

Subscription Level	Intermediate	Premium	Premium Plus
Secure web-based application with remote access to key generator and electrical data from any internet access	✓	✓	✓
Data privacy and security aligned to Caterpillar's connected product data principles	✓	✓	✓
Unlimited number of users	✓	✓	✓
Events & alarms	✓	✓	✓
Data sampling rates	1/minute	1/second	1/second
Real time alarms and configurable alerting capabilities via text or email	✓	✓	✓
Multiple viewing options, for single assets or an entire fleet	✓	✓	✓
Configurable dashboards to track critical KPI's	✓	✓	✓
Operational data available for download	✓	✓	✓
Parameters			
(i) Engine	✓	✓	✓
(ii) Electrical	✓	✓	✓
(iii) Full TPEM data scope		✓	✓
(iv) External data sources and/or devices			✓
Genset health & fleet summary reports	Optional	✓	✓
Customer-specific reports	Optional	Optional	Optional
Advanced data discovery		✓	✓
Standard analytics package enabling predictive maintenance (real-time notifications)		✓	✓
Custom premium plus analytics package (real-time notifications)			✓
Custom screen development (e.g. P&ID)			Optional

The values given on these datasheets are for information purposes only and not binding. The information given in the offer is decisive.