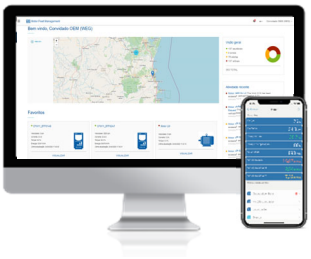
Now available as an optional feature[1], WEG Motor Scan® is a powerful tool to motor condition monitoring and allow your company to enter the Industry 4.0 era. Please see below some of the advantages offered.

WEG Digital Solution – Motion Fleet Management

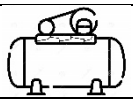
PLATFORM WEG MOTION FLEET MANAGEMENT



WEG Motion Fleet Management allows checking the operating status of low and medium voltage motors and drives (VSDs and soft-starters), gearboxes, gearmotors, compressors and other assets installed in any type of industry or facility. Through periodic data collection and advanced data processing, both on the edge and in the cloud, valuable insights are obtained. Thus, it is possible to establish predictive maintenance plans taking into account the operating condition of the fleet (condition-based maintenance). This approach helps to reduce the fleet TCO – Total Cost of Ownership.

CONNECTING EQUIPMENT TO MFM

Equipment that may be connected to MFM includes low and medium voltage electric motors, WEG low and medium voltage variable frequency drives and soft-starters, motor starts, smart relays, gearboxes, gearmotors, compressors and other industrial assets installed in any type of industry or facility. In case any equipment you want to connect is not listed above, please check with your local WEG office for additional information

							
LV motors	MV large motors	LV & MV generators	Gearbox & Gearmotors	WEG LV VFDs Soft-starters	WEG MV VFDs	WEG Smart Relay	Other Assets

SCALABILITY

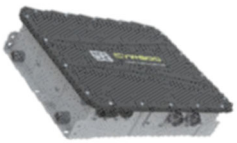
WEG Motion Fleet Management is easily and highly scalable. You may move from one factory sector and type of asset to the whole factory or installation and including all electric system assets seamlessly

SENSORS – GATEWAYS – EDGE DEVICES

WEG Motor Scan® is the ideal solution for monitoring your industrial drive fleet, ensuring the level of excellence in the operation of electric motors and other equipment. Working with MFM and Motor Specialist, user would be able to have vibration spectrum, unbalancing, misalignment and bearing failure diagnosis, network frequency and motor speed, load, power and consumption estimation (for DOL and Soft-Starter driven motors) and relubrication time management. It can also be mounted on driven equipment, such as pumps and compressors, to monitor vibration and temperature.

WEG X-2000 gateway ensures WEG Motor Scan data is automatically collected and seamlessly sent to the cloud and MFM. Is able to connect trough wired Ethernet, Wi-Fi or 3G/4G (SIM / dongle required).

WEG Drive Scan WCD-ED300 is available for low voltage and medium voltage variable frequency drives and soft starters and is able to collect data from up to 20 LV VFDs. Flexible by design, the edge device collects a series of information and provide information to the cloud and MFM trough wired Ethernet, serial port (RS-232), Wi-Fi or mobile network (dongle required).



WEG Large Machine Scan WCD-IO300-LMS collect data from low and medium voltage large induction motors, synchronous motors and generators. Current, Voltage, Speed, vibration, stator and bearing temperature are among the initial information to be collected, while others data may be added trough standard or expansion features.
(available soon)

CONNECTIVITY

In addition to serial (RS-232), Ethernet, Wi-Fi and mobile network, WEG Motor Scan® also allows data transfer through smartphone, using the WEG Motor Scan App.
From data collection, trough gateway and edge device, Cloud storage, data processing and access control, all connectivity steps are protected and data is encrypted end-to-end ensuring the security and confidentiality of company information.

CLOUD STORAGE DATA

Collected data is storage and handled on secure servers on cloud-based solution, ensuring security of information and scalability of the solution.
While sensors and edge devices are designed to storage up to 30 days information, cloud provides and analyze data storage for one year.

WEG MOTION FLEET MANAGEMENT

WEG Motion Fleet Management provides, through periodic data collection and advanced data processing, both on the edge and in the cloud, valuable insights to plant operation and maintenance personnel. Thus, it is possible to establish predictive maintenance plans taking into account the operating condition of the fleet (condition-based maintenance), helping on the TCO reduction.
System allows user to sectorize assets and provides complete or partial fleet reports on a very intuitive and flexible way, also allowing to establish asset prioritization for closer follow-up.
This solution (hardware and software) is under continuous development, check-out the new features and improvements at WEG website or contact our representatives.

SPECIALIST LAYER

Not enough? Take one step further with WEG Motor Specialist and WEG Drives Specialist, an AI-based module that uses artificial intelligence and machine learning algorithms to add advanced consumption and diagnosis analysis of your motor and variable frequency drives fleet.
Motor unbalancing, misalignment, bearing failure and external vibration are presented for LV electric motors diagnosis analysis.
Consumption and analysis on energy quality and VFD cooling system health are available to variable frequency drives

EXCHANGE

WEG MFM Exchange module allows customer to export data trough REST API to their own server or to interface with automation systems (SCADA), corporative management systems (ERP), maintenance management systems (CMMS), manufacturing execution and scheduling systems (MES) or other system already in operation.

WEG sensors are certified according to the local regulations from Europe, USA, South Africa, Singapore, Australia, New Zealand, Brazil, Chile and Malaysia. For specific details, please contact WEG.
Learn more at: https://www.weg.net/institutional/BR/en/solutions/digital-solutions/mfm
In case you want an offer or more detailed offer, or additional information please contact sales-wdi@weg.net.