

## SOFTWARE RELEASE OVERVIEW

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# VibroSight® 4.1



VibroSight® 4.1, released in June 2019, adds the following main benefits and features.

### Benefits

- **Early fault detection and diagnosis of rolling-element bearings**
- **Easier configuration of systems with VM600 CPUR2 cards**
- **Better-performing VM600 CPUx cards**

### Features

#### Rolling-element bearing analysis

VibroSight 4.1 and the VM600 XMV16 cards now include support for rolling-element bearing analysis as follows:

- **Demodulation (envelope) signal analysis** – a complex and detailed vibration waveform signal analysis that uses a dedicated demodulation spectrum to monitor and analyse frequency-specific measurements which are related to particular rolling-element bearing defects/failures frequencies (such as BPFI, BPFO, BSF and FTF). This technique detects problems in rolling-element bearings at the earliest possible opportunity, thereby allowing maintenance intervals and operational efficiency to be optimised.
- **Crest factor measurements** – a simple indicative vibration waveform signal analysis that calculates the crest factor, a measurement which is related to general deterioration in a rolling-element bearing. This technique indicates problems in rolling-element bearings that have already developed, that is, much later than demodulation (envelope) signal analysis.

### Features (continued)

#### GSD file for VM600 CPUR2 card available directly from card

The GSD file for a VM600 CPUR2 card (PNR 600-026-000-VW) is now available directly from the card itself using VibroSight System Manager in order to make it easier to configure and manage systems using a CPUR2.

#### New firmware for VM600 CPUx cards

Improvements to the latest VM600 CPUR2 card (PNR 600-026-000-VW) firmware include:

- Overall performance, responsiveness and stability improvements.
- Support for CPUR2 / IOCR2 card pair relays.
- Removal of certain configuration limitations.

Improvements to the latest VM600 CPUR card (PNR 600-007-000-VW) firmware include:

- Overall performance, responsiveness and stability improvements.

### Further information

For more detailed information concerning these features and improvements, request the *VibroSight® software version 4.1 release notes* and the latest *Getting started with VibroSight® installation guide*.