

# Orbit Magazine

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## ADAPT 3701 Release 4 is Available to Ship

Date : November 17, 2015



**The three 3701 monitors, 3701/40 Machinery Dynamics Monitor (MDM), 3701/44 Aero, and 3701/46 Hydro have been enhanced with new functionality and are available to ship. This additional functionality includes:**

### **Software:**

System 1 Evolution software connectivity for all 3701/4X systems is being worked in two phases:

- Phase 1 includes waveform and trend data collection and was enabled in the earlier October 2015 release of System 1 Evolution. The data collection rates are user adjustable and can be as frequent as every second for trend data and every 10 minutes for waveform data.
- Phase 2 will add alarm and transient data collection in System 1 Evolution to support start up and shut down analysis as well as alarm event diagnostics and will be released in 2016.

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## Hardware:

- A Dual Base to address the needs of additional reliability. The Dual Base will be offered on the 3701/40 MDM as well as the 3701/44 Aero and consist of a relay module, two input modules, and two (redundant) processor modules. The 3701/46 Hydro will continue to be available as a simplex version only.
- A new Positive Voltage Module (PoV). The 3701 PoV input module is a 6-channel + Keyphasor/speed input module that interfaces to a variety of positively powered sensors such as: +24 V Proximitors, +24 V Interface modules, and 2 wire IEPE sensors using 3.3 mA constant current. Any of the PoV's six channels (1-6) can be independently configured for one of the supported transducers. Each PoV supports one dedicated negatively powered Keyphasor or speed measurement on channel 7 that is configurable for Proximitors or magnetic pick-ups.

## Signal Processing and Measurement:

- New release of BNMC backwards compatible with FW revisions 3.0 and higher (all known field installs are currently 3.0 or higher).
- Full Gear Box support with the addition of Enveloping (Demod), Amplitude Extraction and Spectral Bands.
- Measurements and Not OK in relay logic.
- Integrated Waveforms/Spectrums.
- Conditioned speed inputs/outputs.

## Reference Materials include:

[Brochure](#)

[Website](#)

[3D Demo](#)

[3701/40 Fact Sheet](#)

[3701/40 Data Sheet](#)

[3701/44 Fact Sheet](#)

[3701/44 Data Sheet](#)

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[3701/46 Fact Sheet](#)

[3701/46 Data Sheet](#)

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