

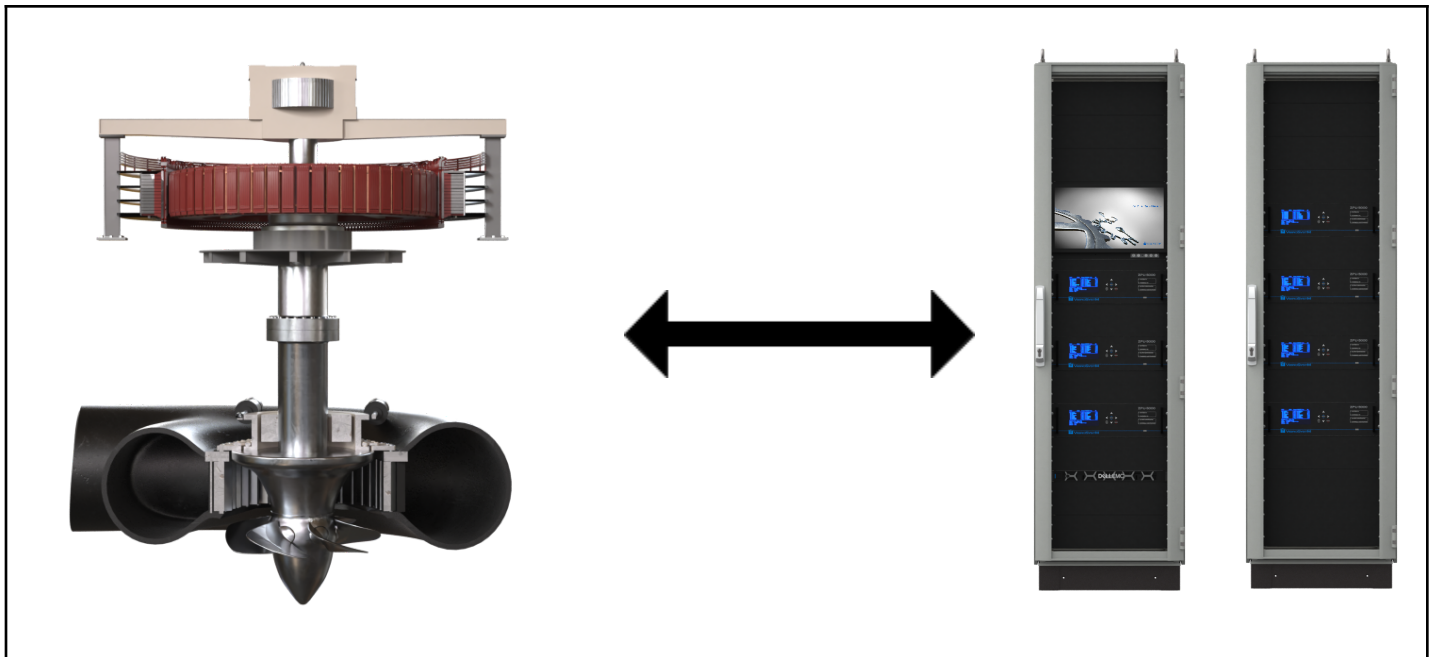


ZOOM® SYSTEM

AGMS® - AIR GAP MONITORING SYSTEM FOR HYDROELECTRIC GENERATORS

Having demonstrated its effectiveness and benefits for several years, our AGMS air gap monitoring system is now offered in the form of an efficient and cost-saving package. The standard AGMS package groups the essentials needed for successful installation and commissioning, from components and installation material down to a complete documentation set including drawings.

The AGMS package includes a standard monitoring cabinet, complete with instrumentation, ZOOM software, up to 16 air gap measuring chains, all the required protection boxes to house the signal conditioners associated to the air gap measuring chains, one synchronization sensor, and most cabling and supplies* for installation.



The standard AGMS package can be easily upgraded to monitor additional parameters of your choice. The design of our monitoring cabinets allows for the installation of additional acquisition units for additional measuring chains. Additional acquisition units can be added either prior to delivery or later in the field, even after commissioning.

The AGMS solution provides basic monitoring for your generator. Use this cabinet inside a dedicated ZOOM network to store the data, conduct further analysis, and establish trends for predictive maintenance. A communication gateway is provided for transmission of data to and from your existing SCADA. See our ZOOM Software documentation to learn about all the possibilities.

Our experts work with your personnel to oversee the complete installation. Essential training is provided during commissioning, and additional assistance is available with our optional service contract, maintenance plan or ZOOMWatch program. Consult our website, or ask your VibroSystM representative.



Our Offer

A starter package includes:

- Measuring chains:
 - 4, 8, 12 or 16 VM sensors, triaxial cables and signal conditioners, depending on the size of the generator and your monitoring requirements
 - One synchronization probe
- One ZPU-5000 Acquisition unit factory-installed in the cabinet
- One 19" standard cabinet, offered in two options:
(Note: external Server with database engine required - not included)
 - Pre-wired Monitoring Cabinet: can house up to four ZPU-5000 acquisition units, for monitoring up to 64 measuring chains
 - Pre-wired Monitoring Cabinet with the ZOOM User interface including a rackmount workstation and touch screen monitor: can house up to three ZPU-5000 acquisition units, for monitoring up to 48 measuring chains. The workstation and touch screen monitor provide operators with a graphic interface access to the ZPU-5000 Acquisition unit measurement results and system status
- Operation & Maintenance manual, which includes an overview of your system, a suggested maintenance schedule, a parts list, and the mechanical and internal wiring schematic drawings of your cabinet
- ZOOM 7 Software suite license package, including:
 - ZPU-5000 acquisition service plug-in
 - TWS acquisition service plug-in
 - Modbus communication service plug-in
 - OPC communication service plug-in
 - 5 user licenses
- Protection boxes for signal conditioners (option VSM-PBOX-14-12-8-TB)
- Signal cables and connectors
- Installation material* including sensor installation material and required adhesives

Your Benefits - Beyond Saving Time and Reducing Costs

- When your monitoring needs grow, just add sensors and ZPU-5000 acquisition units in your existing cabinet to monitor air gap, displacement, temperature, vibration, or any other compatible measurable parameter.
- You can also count on first-class technical support provided by our team of experienced professionals.

* Not included: power cabling from main service panel to the cabinet and protective electrical conduits & fittings.