



A-STAR TESTING & INSPECTION

ACCOUSTIC EMISSION (AE)

Technical systems, such as pressure vessels, piping systems and petrochemical reactors, are exposed to heavy stresses and require regular inspections.

For those responsible for the safety of such structures **Acoustic Emission (AE)** testing can be of great value. **AE testing** detects beginning damage in stressed components, thus contributing to safe operation and avoiding costly downtimes.

AE testing also offers large benefits for material, geological, medical and botanical research, detection and location of partial discharges in large transformers, leak and corrosion inspection of storage tanks, etc. It is also increasingly applied for tests and inspections in civil engineering (e.g. bridges) and in the automotive and aerospace industries.

Highly sensitive AE sensors detect stress waves on the surface of a test object. These waves originate from crack growth, for example, and propagate through the test object. The sensors' signals are analysed, so that damage to the test object can be detected and located.



A-Star Testing & Inspection (S) Pte Ltd

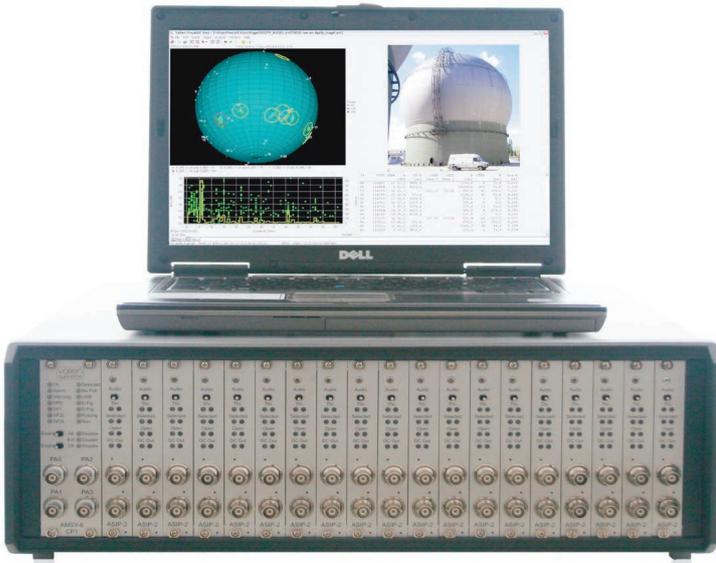
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Utilising the latest Vallen AMSY-6 model the system covers the entire AE measurement chain. Using modular components customised and expandable systems are configured, comprising sensors, preamplifiers, signal processors, system chassis, PC interface and software. Developed in Germany the AMSY-6 offers extensive functionality to ensure your xxxxxxxx meets xxxxxxxx requirements.

With more than 30 AE sensor models and coupled with the state-of-the-art software solutions, we can now offer a wide range of AE services covering many acoustic emission testing applications.

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