

ARIES

ADVANCED SOLUTIONS FOR STRUCTURAL & SEISMIC TESTING

EACH SYSTEM IS CATERED TO THE REQUIREMENTS OF EACH CLIENT

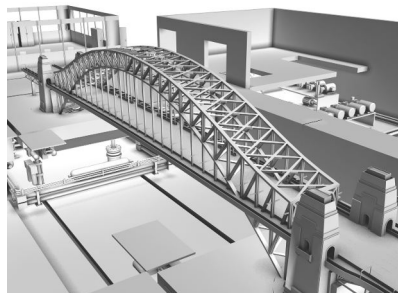
ABOUT ARIES

Founded in 1985, Aries Ingeniería y Sistemas, S.A. is an independent, global, and diversified engineering company with presence in over 20 countries. It aims to develop efficient solutions with high added value by combining the latest technology approaches with the best qualified team of professionals. The company provides engineering services including feasibility studies, basic and detailed engineering, construction, commissioning and operation of projects in the Automotive, Industrial, Railroad, Defense and security/UAS.



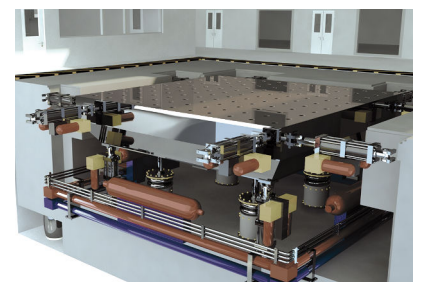
ADVANCED TEST SYSTEMS

Aries provides complete structural and seismic test laboratories to perform quasi-static, pseudo-dynamic and dynamic tests in order to fully understand the failure mechanisms and collapse process of structures and to satisfy the requirements of civil and structural regulations worldwide.



Aries has a strong portfolio and proven record of delivering customized test systems and consolidated its position as a world leader in the sector, while attaining significant success in emerging markets.

*Your preferred partner for
efficient technology*



APPLICATIONS

- ▶ Structural testing
- ▶ Equipment certification
- ▶ Development of regulations
- ▶ Pseudo-dynamic testing
- ▶ Dynamic testing
- ▶ Research and development
- ▶ Quasi-static testing

SCOPE OF SUPPLY



SHAKE TABLES

A **SHAKE TABLE** can provide the dynamic force necessary to replicate full-scale displacements, velocities and accelerations to different test articles and to simulate different real conditions such as earthquakes. Aries customizes a shake table systems meeting individual requirements as the specimen size, weight and dynamic motion.

COMPACT SHAKE TABLES

Aries introduces a new lineup of **COMPACT SHAKE TABLES** including 3 models that cover a broad spectrum of customer requirements. The 2 and 6 DoF models powered by Electromechanics actuators and the 6 DoF model powered by Hydraulic actuators are sold as turn-key equipment.

COMPLETE LABORATORIES

Aries is able to design and supply **COMPLETE LABORATORIES** for structural tests. From the conceptual design of the buildings containing the laboratory, the floor-plan required infrastructures, to the complete civil work design, paying special attention to the reaction mass for shake tables, strong floors and reaction walls, all according to customer needs and prepared for the most demanding performance requirements.

COMPONENTS

SERVO-HYDRAULIC ACTUATORS, are sized according to the customers' needs (stroke, velocity and force). Depending on the test requirements, the combination of actuators and high-response servo valves can be designed for static or dynamic testing. **HYDRAULIC POWER UNITS (HPUS)** can be sized for a single actuator or for simultaneous actuator tests, being able to provide power for a complete laboratory.

WIND TUNNELS

Aries introduces a new lineup of subsonic **WIND TUNNELS** that can be customized in open or closed circuit, both for aerodynamic and atmospheric boundary layer applications. They are supplemented by our state-of-the-art control systems and software suites.

CONTROL SYSTEMS

Aries' **CONTROL SYSTEMS** are a perfect choice to upgrade already obsolete systems improving the overall performance of still operative hydraulic and servo-electric components and providing extended service life to your current facility.



CONTACTS

Contact person

Alexandre M. Campos
Business Development
info@aries.com.es

Headquarter

Pº Castellana, 111
28046 Madrid, Spain
Tel.: +34 915 70 27 37