

#### **IDOM**



Full engineering and complete procurement, construction and commissioning of complex systems and facilities.

IDOM is an international firm specializing in Engineering, Architecture and Consulting. IDOM operates globally in areas such as power generation, oil & gas, renewable and alternative energies, manufacturing industry, civil infrastructures, nuclear plants, large technological and scientific facilities, architecture and unique challenging engineering projects.

IDOM ADA leads the company activity in technologically advanced and challenging projects involving applied mechanics, structural design, electronics & control.

Our portfolio of clients and collaborators include ESO, AURA, IAC, GTC, EHU-UPV, SNS/ORNL, GANIL, ESS-Bilbao, ESS, F4E / ITER, CENER, TMT Observatory Corporation, Clemson University, NaREC, Fraunhofer Institute and others.

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Minneapolis 330 Second Avenue South, Suite 600 MN - 55401 USA T: +1 612 332 8905 / F: +1 612 334 3101 Fully integrated in Idom Group

## SCIENTIFIC FACILITIES

Idom ADA provides Engineering for Scientific projects offering turn-key solutions for Scientific Facilities



#### PARTICLE PHYSICS

Idom collaborated with ESS Bilbao and the Spallation Neutron Source (SNS, USA) in the development of rotating target technologies for neutron spallation sources.

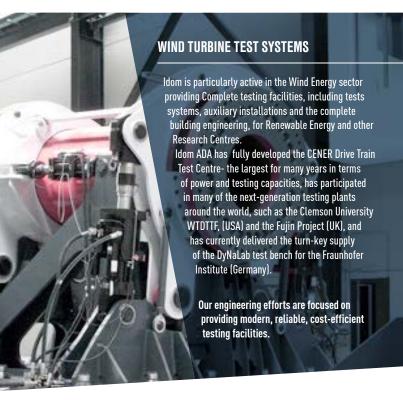
An example of Idom ADA's participation in

the development of fusion technologies is the most recent contract with F4E in the field of Integration Design of Diagnostics into ITER Ports



### TEST SYSTEMS

Idom ADA engineers and manages the fabrication and construction of complex structures and mechanisms.



### SOLAR PARABOLIC THROUGH COLLECTORS TEST BENCH

Idom ADA has also delivered a turnkey project for the concept design, detail engineering and construction of a solar parabolic through test bench for CTAER (Spain). The objective of the facility is to test innovative collector designs with improved efficiency and performance, for the solar energy industry.



# STRUCTURES AND MECHANISMS

Idom ADA engineers and manages the fabrication and construction of complex structures and mechanisms.



#### **MECHANISMS**

Idom ADA offers a fresh approach to innovative design for challenging mechanisms

Advanced computer simulations techniques are used routinely, often together with in-house prototype & testing techniques to predict the performance of a final design.

Idom ADA developed the structural and mechanical design, provided supervision to the manufacturing, assembly, test, delivery and installation on site of the two turntables installed in the Gatun Locks (Panama).

An innovative mechanism to drive large movable structures, the crawler mechanism, has been patented by Idom.



## **FILMS**

#### IDOM ADA -Integrated Solutions



