



**We find solutions, create, design, manufacture and service products for the oil & gas and energy sector worldwide**



The core business of DAC Technologies BV is to design, engineer, construct, install and deliver:

- Wellhead control panels.
- Hydraulic power units
- Chemical injection systems
- ATLAS actuation - linear actuators
- Control systems – pneumatic, hydraulic.
- Valve automation
- Deluge panels and systems
- Sampling panels
- Mechanical products
- Specials
- Services

For our designs, we use the latest 3D-CAD software INVENTOR ® and ANSYS ® finite element analyses simulation system.

Our products comply with the rules according the CE and PED regulations and process regulation, e.g. ASME, ANSI, API etc.

Each individual product manufactured by DAC technologies will be supplied with all the necessary documentation, section drawings, instruction manuals and certification.

## MISSION STATEMENT



### **Vision Statement:**

DAC's vision is to be a global player in delivering and operating innovative and reliable production systems by developing skilled, proactive and committed teams focused on creating value.

### **Mission Statement:**

DAC delivers and operates high-quality, innovative production solutions for the on/ and offshore oil and gas industry, power sector and chemical industry,

We do so by cultivating a talented team that works with integrity, communicates openly, serves the community and protects the environment.

## COMPANY PROFILE



DAC Technologies BV is a global player in the manufacturing of hydraulic and pneumatic control systems, Wellhead Control Panels, Injection systems, linear actuator supply and valve automation systems mainly operating in the Oil and Gas industry, on- and offshore and in the Power and Petrochemical industries.

DAC technologies BV develops, assembles, and produces actuators & control systems fully tailor made to our customers' demands.

When it comes to valve actuators, controls, panels and packs, DAC technologies provides practical solutions to any customer's problem. Our experience, know-how and flexibility enable us to work fast and respond directly to new developments. Thanks to a network of reputable partner companies, including our own brand [Atlas](#) actuation, we can always offer complete concepts.

DAC technologies B.V. is established in 2005 and is located on a 3000 m<sup>2</sup> area, located only 15 minutes driving from Schiphol airport in the Netherlands.

## CONTROL SYSTEMS



### Pneumatics:

- Control panels and modules.
- Modulating systems.
- ESD Systems.
- HIPPS Systems.
- Choke control
- Compressor systems.



### Hydraulics:

- Control panels and modules.
- Modulating systems.
- ESD Systems.
- HIPPS Systems.
- Choke control
- Compressor systems.



### Applications:

- Standard service
- High temperature service
- Low temperature service
- Cryogenic service
- Subsea applications



## WELLHEAD CONTROL PANELS



### WELL HEAD CONTROL PANELS

- Custom built multi and single well control units
- Designed, manufactured, flushed, certified installed and commissioned by DAC
- Meet all required national/international standards (e.g. ATEX)
- All power sources possible for operation (air, gas, 400 VAC, 24 Vdc, Solar)
- Integrated power units (HPU), self contained systems
- Logic control by PLC/customer DCS, custom designs (SS-316 housing)



## CHEMICAL INJECTION SYSTEMS



### Chemical injection systems

- Comprehensive range injection skids for the injection of a wide range of chemicals
- Engineered and produced by DAC
- Tested and certified according to EN12079 for offshore use
- Used in the oil and gas industry, the pharmaceutical and chemical sector
- Using pump brands specified by our customers
- Placed in open environment at customers prefabricated location
- Providing the necessary interconnections and drain facilities
- The injection systems include over-pressure protection



## HYDRAULIC POWER UNIT

We deliver complete hydraulic power systems for almost any situation and requirement. With our wide choice of product lines, in-house manufacturing and assembly facilities, we offer a range of solutions for implementation in your existing systems, optionally equipped with oil filtration products and a control system. But when that is just not enough, our engineering team is able to convert all your needs into a tailor-made design backed by worldwide commissioning. Using this approach, we can cope with any given challenge to make the most of your requirements.





## DELUGE CABINETS



### **DAC Deluge Valve Control Cabinet**

Cabinet for providing control system for pneumatically actuated deluge valve.

A typical cabinet includes inlet valve, filter, regulating valve, pressure switch, pressure gauges, solenoid valve, isolation valves and check valves.

All components are mounted into a SS316 coated cabinet.

The cabinet is fully factory fitted out and tested and can simply be connected up and be fully functional with minimal installation time and cost.

The cabinet is suitable for use in harsh marine environments and is supplied with full certification and operating instructions. Deluge cabinet can be supplied as loose supply or on a purpose built skid together with the deluge valve assembly.



## LINEAR ACTUATORS

### LINEAR ACTUATOR DESIGN:

On offshore locations, such as platforms, FPSO, On Bouy's and Turrets CORROSION of exposed material is an enormous issue.

The traditional (well known) actuator suppliers use the tiny designed try-rodged actuator.

The use of ty-rods avoids the actuator to be coated on the most critical spots of the actuator, the ty-rods will corrode, break and will cause very dangerous situations.

Many customer have recognized this problem and change out the traditional actuators with actuators without the use of ty-rods.

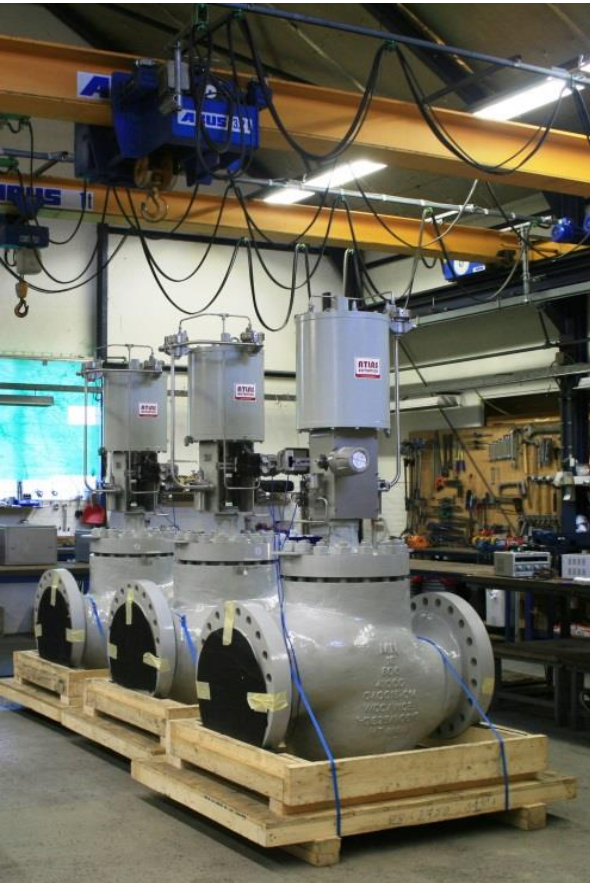
DAC Technologies has designed the new UNIQUE linear actuator which and has brand labelled the actuator: ATLAS Actuation.

NON-TIE-RODDED DESIGN

DESIGNED FOR FREQUENT CYCLING

DESIGNED FOR LONG STILL STAND

**"When space is limited, equipment shall be manufactured as compact as possible"**



## MANIFOLDED SYSTEMS



### DAC MANIFOLDS

Manifolds are applied as a compact solution for complete hydraulic operating systems, replacing stand-alone components or as a module for specific functions. Manifolds are extremely compact, the number of potential leakage points is significantly reduced and the risk of hose breakage is kept to a minimum. Our manifolds can be manufactured in aluminium, cast iron, steel or stainless steel. For maritime applications a wide range of surface treatments are available to protect the manifolds against corrosion. The fact that the whole process, from design to production and assembly, takes place in our own facilities means that you can count on short delivery times, whether for prototypes, individual pieces or complete series. -



## SAMPLING PANELS

### DAC SAMPLING SYSTEMS

- Provide a representative sample of a pipeline transfer (hydrocarbon liquids and gas)
- Determinate bulk properties, especially water content, gravity and light ends
- Systems: in-line sampling, fast-loop sampling and composite gas sampling
- Needed for fiscal calculations, allocations and loss control
- Design & engineering in-house, custom made
- Quality management systems and assurance, HES-requirements
- Main applications: upstream FPSO's, offshore platforms, downstream oil terminals, refineries and export terminals
- Mixing solutions Fast-loop sampling system



## MECHANICAL PRODUCTS

### Chain jack systems

The chain jack system, pulling and/or lifting the chain in a straight line, is commonly used at FPU's (Floating Production Units), FPSOs (Floating Production, Storage and Offloading) and semi-submersible rigs. DAC's drive and control solutions for chain jack systems include hydraulic power units, large hydraulic cylinders and interconnected piping.



Umbilical clamps



Umbilical pull inn heads



Offshore constructions

## CONTACT - REFERENCES

### Main customers and users:

Adma  
AGIP  
AGT  
Apache energy  
ARAMCO  
ATC  
Azzawiya  
Bechtel  
Bluewater Energy Services  
BP – UK  
BP Oman  
Cameron  
CMI-France  
Cofely  
Control Seal  
CPOC  
CTOC  
Delta Hydrocarbon  
Dow Chemicals  
Dresser  
Frames Group of Companies  
Gaz de France  
Gazprom  
GS/IOEC/OIEC  
Heerema  
INPEX  
IV Consult  
Kerr Mc Gee  
Lazaro Ituarte  
Ludan  
Lukoil  
MODEC  
Mokveld  
NAM  
NIOC/POGC/Petropars/TIJD JV  
Noordgastransport  
Northern Petroleum  
OPET Turkey.  
PDO  
Petrobras  
Petrocanada  
Petrochina  
Petrofac  
PTT  
SBM  
Sempell  
Shell Moerdijk  
Shell UK  
Sonatrach  
Statoil  
Technicas Reunidas  
Total  
TYCO  
Valbart  
Vermillion  
Venture  
Woodside  
YUKAS







**DAC TECHNOLOGIES:**

DAC Technologies b.v. – Energieweg 44 – 3641 RT Mijdrecht

Ph: +31.(0)297.593555 - Fax: +31.(0)297.594120

Registered at Trade-register: Chamber of Commerce Utrecht, nr 30275246

[www.dac-technologies.nl](http://www.dac-technologies.nl) - [info@dac-technologies.nl](mailto:info@dac-technologies.nl)