

## Performance at the core of your process

Optimising the operation of oil and gas sites where access is increasingly difficult, while addressing crucial environmental issues requires ever more efficient solutions. In order to meet these objectives Actemium supports its customers all over the world with a comprehensive range of onshore and offshore production skills that take care of quality and safety at every level of the projects. Located as close as possible to production sites, its human-sized business units develop local skills and partnerships.



## Safety, our priority

Safety is an absolute priority and a prerequisite to all actions. Teams and business units, under the safety management referential, are at all times empowered and mobilized to attain the single possible objective «Zero accident».



## An international presence and a local approach

Actemium is the VINCI Energies brand dedicated to industry. Present throughout the industrial life cycle, Actemium designs, builds and maintains its customers' facilities, with the aim of improving their industrial performance.

Its Business Units are located close to production sites, in which they build long-term relationships with their customers. Thanks to the profound knowledge of the customers process and equipment, they are able to design and implement customised solutions.



[oilandgas@actemium.com](mailto:oilandgas@actemium.com)

Actemium an international network



Actemium 100% dedicated to industry

300 Business units

38 Countries

20 000 Engineers & technicians

2,1 billion € turnover

At the heart of industrial performance

## References

ADGAS	ConocoPhillips	INPEX	Peak Oil&Gas	RasGas	Energy
ADMA-OPCO	DSME	Kahramaa	Perenco	Saipem	Technip
Aker Solutions	ENI	KNPC	Premier Oil	Samsung	Total E&P
Anadarko	ExxonMobil	Maersk Oil	QAPCO	Shell	Woodside
Atlantic LNG	GASCO	Noble Energy	Qatalum	Sonatrach	ZADCO
BG Group	GCCIA	Origin Energy	Qatargas	Subsea 7	
Borouge	Hess	ORYX	Qatofin	TAKREER	
Chevron	HHI	PETROLEUM	QDVC	Talisman	

[www.actemium.com](http://www.actemium.com)



Creation Comm'nal - D3944 - Octobre 2014 - Photos credits: Actemium, VINCI Energies



Oil & Gas Performance at the core of your process

Solutions & Services for Industry



# A shared passion

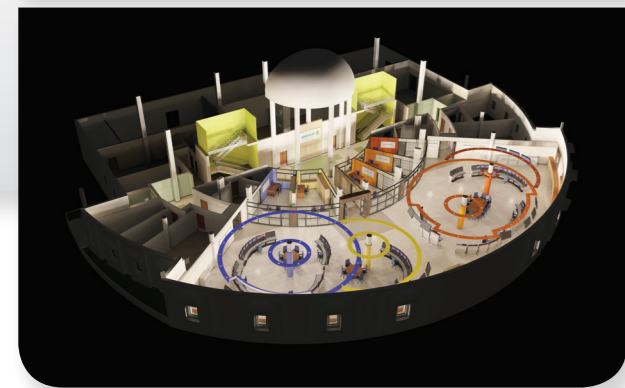
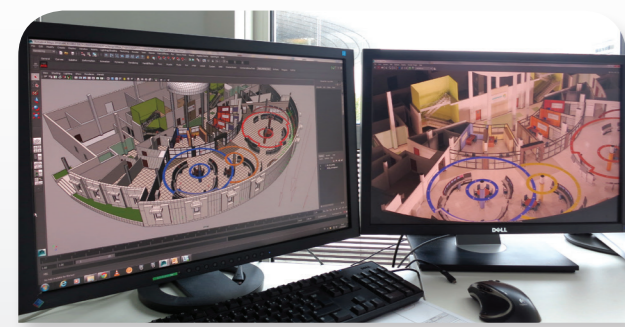
Actemium has been active in the Oil & Gas industry for more than 25 years and supports its customers throughout the entire life of their projects. With more than 2,500 specialists in this segment worldwide as well as on niche markets, and thanks to its innovative solutions, Actemium is a recognized player with an extensive portfolio of expertise in services, integration projects and technical assistance.

## Design

In order to provide innovative solutions and optimum quality of services, the Actemium business units specialise in Oil & Gas disciplines and develop their engineering capabilities on a continuous basis. Their constant investment in employees' qualifications and training are appreciated on site, where production needs and constraints require complex systems and procedures, fully consistent with employee and asset safety.

### Skills

- ✦ Engineering (basic, feasibility studies, FEED, detail), functional analysis
- ✦ Basic and detailed engineering of control and safety systems - modernisation, extension projects (brownfield projects)
- ✦ Basic and detailed engineering for integration of multi telecommunication systems,
- ✦ Basic and detailed engineering for electrical systems,
- ✦ Engineering and integration of safety instrumented systems (HIPS-High Integrity Protection System)
- ✦ Engineering, specification and functional analysis of well control systems (OCWR)
- ✦ Risk simulation via our tool Xistos



## Build

As an EPC contractor, Actemium deploys its offer at the very core of onshore and offshore production, all the way to refining. To that end, Actemium relies on the strength of its network of business units and that of the VINCI group and is thus able to mobilize project management and execution teams in cooperation with its design office near Paris.

Its experts and technicians are specialised in modernisation and revamping of production sites, and are familiar with live operational constraints, requiring quality, safety and adherence to deadlines.

### Skills

#### A unique combination of:

- ✦ Large project management expertise
- ✦ Multidisciplinary technical expertise
- ✦ Oil & Gas specialized resources
- ✦ Familiarity with plant operating conditions, hot and cold transfers
- ✦ Capability to act locally, close to customers and to sites

#### Areas of expertise:

- ✦ EPCC (brownfield and greenfield)
- ✦ Turn key projects (upstream/downstream and off-shore/onshore)
- ✦ System: ICSS, DCS, ESD, F&G, ...
- ✦ Instrumentation modernization and revamping
- ✦ Electrical package : PMS, BOP
- ✦ Power generation (installation or revamping of fuel/gas turbine)
- ✦ Power distribution



## Maintain

The Maintenance offer is perfectly tailored for the requirements of major oil operators and is based on maintenance engineering contracts or long-term onsite multidisciplinary maintenance contracts. Actemium's global maintenance solutions include training local staff with specific programmes in order to ensure a durable transfer of competences and skills.

### Skills

#### General Maintenance & Inspection Services - Global Management:

- ✦ Design and execution of multidisciplinary maintenance (E&I, instrumentation, mechanical engineering, HVAC.....)

#### Maintenance & Inspection Engineering Contract:

- ✦ Reviews, maintenance / inspection plan
- ✦ Methods reliability
- ✦ Operational Integrity
- ✦ Assurance and verification schemes
- ✦ Performance standard for all the Safety Critical Elements identification
- ✦ Spare parts definition
- ✦ Computerized maintenance & inspection management system
- ✦ Database creation and implementation
- ✦ Operation and maintenance manuals
- ✦ Integrity
- ✦ Data collection and compilation

#### Global Maintenance Contract:

- ✦ Preparation and scheduling
- ✦ Maintenance on process, safety, facilities, equipment
- ✦ Preventive and Curative Maintenance
- ✦ Assistance to specific contractors
- ✦ Repairs
- ✦ Spare parts management
- ✦ CMMS and DMC operation



## Training

The oil and gas industry is continuously evolving and companies have an increasing need of experienced employees trained to operations and maintenance. Specific training courses have been provided for more than 25 years in dedicated centres, and our Competence Management System (CMS) ensures they are implemented in a systematic and sustained quality methodology. Tailored programmes focus on international standards requirements. Trainers and methods are both OPITO-certified and ISO 9001-approved.

### Skills

- ✦ Implementation of training centres in line with international standards
- ✦ Implementation of Competency Management System to obtain personnel international certification
- ✦ Management of training centre
- ✦ Organisation of remote training sessions and staff support programs
- ✦ Issuing certified FIEEC or OPITO diplomas
- ✦ Training operators competent in all Oil & Gas disciplines



## Commissioning

Commissioning is a particularly critical stage in onshore or offshore construction operations. Actemium develops and masters this expertise from the engineering phase to commissioning. Each function is checked according to reliable and planned methodologies and procedures. Completion and project transfer move rapidly to the « commercial operation » phase during exhaustive testing. The facility is delivered, tested and operational, in compliance with the deadlines and technicians' safety.

### Skills

#### A various range of offers:

- ✦ Early commissioning engineering
- ✦ Technical audits
- ✦ Detailed pre-commissioning and commissioning preparation
- ✦ Pre-commissioning and commissioning database implementation and management (WinPCS, ICAPS®, Zenator...)
- ✦ Commissioning execution
- ✦ Start-up (operation and performance tests)



## Technical assistance

With more than 500 experts who can be mobilized worldwide and its comprehensive database of 12,000 specialists, Actemium meets the expectations of major operations and engineering companies and stands committed in the development of their ambitious projects. Its objective is to deliver a responsive support, focused on its customer's objectives and backed by strong values.

### Skills

#### Multi-disciplinary technical assistance:

- ✦ Engineering design leads and supervision
- ✦ Project services (cost, estimating, planning)
- ✦ Information management (document control)
- ✦ Contracts and procurement
- ✦ Logistics & materials management
- ✦ Quality management, QC and Vendor surveillance
- ✦ Construction management and supervision
- ✦ Mechanical completion, commissioning
- ✦ Operations & maintenance
- ✦ Project management/project control
- ✦ Instrumentation: process control, analysers, instruments, metering
- ✦ Electrical: HV/LV, network management, power generation
- ✦ Automation: programmable logic controllers, distributed control systems, communication
- ✦ Safety: emergency shutdown, fire & gas
- ✦ Telecom: network, telemetry
- ✦ Mechanical: rotating equipment, compressors, gas turbines
- ✦ HVAC: cooling, pressurisation
- ✦ Process: utility, treatment, storage, loading, pumping station
- ✦ Inspection: electricals, piping, ...
- ✦ HSE: personnel, assets, environment

