OUR MAIN REFERENCES

FPSO EGONA – Nigeria
130 deep sea underwater offshore plants. At 130km off of the Nigerian shores.
Equipped with various dampers and louvers suitable for EXplosive ATMosphere and subzero temperatures.
Capacity: 200,000 barrels per day.

FPSO INPEX – South Korea
Over 336 meter long and 60,000 tones, meant to produce, store and offload oil extracted from the deep underwater wells.
Equipped with antistatic flexible sleeves.
Capacity: 100,000 barrels per day.

FPSO CLOU – Angola
A total of 34 deep under the sea wells to exploit.
Equipped with antistatic flexible sleeves.
Capacity: 160,000 barrels per day.

YAMAL – Russia
Gas installations which enable the access to the vast gas resources of the Russian Artic.
Equipped with various dampers and louvers suitable for EXplosive ATMosphere and subzero temperatures.
Capacity: 16.5 Megatones per year.
Oil & Gas installations are subject to two main stakes: **Security** – **Efficiency**

A bad ventilation could induce an oxygen-deprived air, leading to:

- Lessened general awareness
- An increase of strain and stress

**F2A EXPERTISE**

> **Appropriate equipment:**
> - Designing and manufacturing
  - Large sections
  - Flanges and drilling according to ISO 15138 or tailor-made
> - Solutions for constraining climatic conditions
  - Anti-corrosion painting
  - Heat tracing
> - Materials complying with specifications
  - Stainless steel AISI 316L
  - In compliance with EXPlosive ATMosphe res requirements (European & Russian)
  - In compliance with Russian certification (TR CU)

> **Tested and certified in independent laboratories**

**YOUR APPLICATIONS**

> **Users and equipment protection**
> **Control of the airflow in offshore plateforms, ventilation of living quarters, security isolation for production compartments**
> **Specific pressure and temperature resistance to comply with the highest constraints**

**AKE - ATEX**

**• NON-RETURN DAMPER**
Designed for a one-way airflow direction.

**PRESSURE RELIEF DAMPER**
Designed to control the overpressure in a specific room or in the ductworks.

> **Operating temperature:** from -50°C to 180°C
> **Acceptable pressure:** 8,000 Pa
> **ATEX certification II 2GD IIB - T6**

**SHUT-OFF DAMPER**
Airtight damper designed to shut-off the ventilation ductworks.

> **Operating temperature:** from -50°C to +180°C
> **Leakage rate:** < 30 l.s⁻¹.m⁻² at 3,000 Pa
> **Acceptable pressure:** 8,000 Pa
> **ATEX certification II 2GD IIC - T6**

**BALANCING / MODULATING DAMPER**

**RKO - ATEX**
Designed to control airflow in the ventilation ductworks.

> **Temperature:** from -50°C to +180°C
> **Acceptable pressure:** 8,000 Pa
> **ATEX certification II 2GD IIB or IIC - T6**

**ACTUATORS**

> Electric, pneumatic
> Mounted on dampers in our factory
> Motor torque up to 500 Nm
> Quick failsafe <1s

**WEATHER LOUVER GH**
In option:
- Assembly with windshield
- Assembly on damper

Learn more about our expertise at [www.f2a.fr](http://www.f2a.fr)