

Management plans to reduce costs over the loudspeakers of gas turbines

alTRAN

▪ Objectives

Manage a portfolio of projects aimed at reducing the cost of the loudspeaker by changes made in the design. Being force proposal for potential new projects to reduce costs through comprehensive studies. Accomplishing the goals of reducing cost attributed Product

▪ Our Approach



- Making pre-studies on the product to identify project ideas
- Estimated gain provided by each proposed modified design
- Review with the technical module impacted to quantify the feasibility and appropriateness of the project
- Vendor management of loudspeakers for the studies
- Presentation / Discussion on the project with the Chief Engineer to validate the project technically

▪ Results

- Respected targets imposed by management on reducing the cost of the product
- Full implementation of the project from inception to changing specifications

Supervision of Part Flow Assurance of an oil project offshore in Africa

Objective

Our goal: Provide technical coordination of Part Flow Assurance project

- that is to say, the delivery fluid reservoir submarine up the platform for storage and export.

Our Approach

- Review all documents Flow Assurance in the form of deliverables.
- Data transfer tank to the subcontractor, and updates required during the Basic Engineering phase.
- Management implications of the findings Flow Assurance; transmission to the parties concerned for immediate change designs.
- Revision of part of the process documents, participation in committees HAZOP, NTP, HIPPS, DPR.

Difficulty: major changes in the data-so the work and materials - (all parameters pipes have changed).

It took real time convincing partners to refinance impacts (eg all compressors have been resized).

The budget was increased by 10% - by necessity - while respecting the time.



Results

Passed all stages of qualifying project

- Delay less than a month for Part Flow Assurance, despite the major change

Planning and monitoring of physical progress on projects Gaz de France

Objective

Establishing and monitoring the physical progress of technical disciplines on 2 projects Gaz de France
The challenge: optimize the monitoring of projects to anticipate overruns

Our Approach

- Measurement of physical progress and efficiencies of technical disciplines
- Planning
- Expenditure Control (hours)

- Difficulties encountered: the technical disciplines involved in the process



Results

Actions implemented to correct any problems and meet deadlines
Presentation of figures every month to SFM

Cost reductions for fluid system

▪Objectives:

To reduce costs due to commercial or technological developments impacting the fluid systems of gas turbines.

▪Our Approach:

- Formalize the ideas proposed by the engineering department or the financial service company
- Detailing the steps of the process
- Contact the various stakeholders impacted by developments
- Validate or invalidate the proposed solution
- Expand the items to change due to technical validation and commercial

Results

- Changing lubrication systems
- Modification of cooling system
- Changes in technical documentation



PMC for several projects with high investments



Support of Project Management & Control for projects carried out in Refineries



Context & Objectives

- Management of budgets and interfaces with engineering contractors (partnership).
- Contracted companies located in France
- Application of SHELL procedures in force (safety, environment, project management purchasing, ...).
- Selection of suppliers following a contracting strategy approved by the Global contract board team. Award step if necessary if offers from vendors are beyond the allocated budget.
- Global monthly steering committee with the follow up of KPI.

Approach & Solution

- Engineering procedures. (Downstream Value Processes) for projects beyond 10 M€.
- Design Engineering Practices (DEP).
- Procurement.
- Operation & Supply.
- Methodology of fast track adapted for every sensitive project (tight close control and reporting to SHELL group done weekly).
- HSSE items closely followed especially when works on field were performed with many contractors at the same time, in congested areas.

Results & Added Value

- In good accordance with the objectives :
 - Without damages (0 recordable case).
 - Without going beyond of planning and budget. Some projects were cost driver, others were schedule driven.
 - Product quality, according specifications.
 - Client satisfaction.