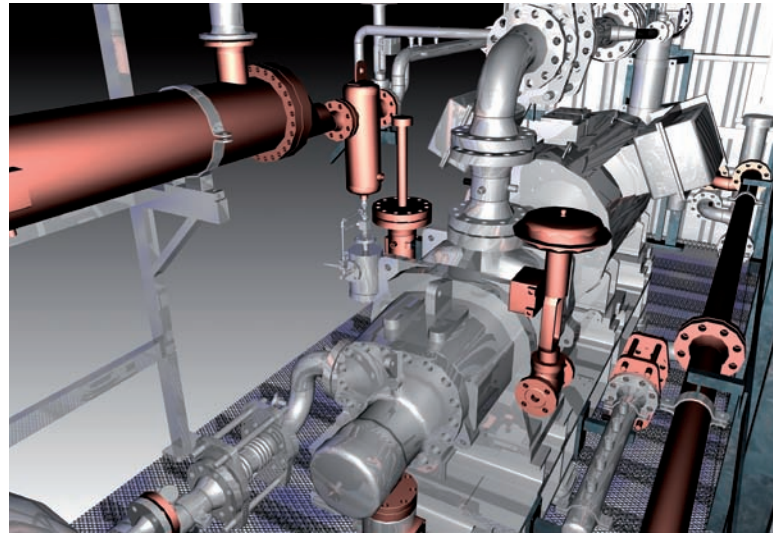


VPT supplies industrial air and gas compressors, for example, gas turbines for offshore installations or for use in the chemical and petrochemical sectors. The company is also active in the renewable energy sector (biogas). VPT specialises in delivering machines and their auxiliary components as a packaged solution. The company offers all-in-one solutions which are tailored to specific applications. These solutions cover the entire spectrum from design, engineering, production, installation and commissioning and also include personnel training and maintenance.



The task

On three oil rigs which belong to the Romanian oil and gas company PETROM in the Black Sea a technology solution needed to be installed to block carrier gas and derive an economic benefit from it.

The solution

VPT planned 6 gas compressors which are each installed in a single container. The planning for complex equipment within the narrow confines of these containers required very precise engineering work. The powerful planning tool which was used to carry out this work was CADISON. The tool provides a unique intelligently designed checkin/checkout technology which supports project workflow in networked working groups.

Project: PETROM	Sector: Oil and gas
Project turnover	Total: € 25 Mil. /VPT's part: € 11 Mil.
Engineering part (a) only engineering (b) drawing work	10% 90%
Number of isometries Number of components Number of measuring points	> 100 > 1000 > 500
Number of engineering hours	> 5000 h
Assembly sections	Pipeline construction /plant engineering /Instrumentation and control

The benefit

Using conventional means the duration of the project would have been 15 months. This planning phase was reduced to 12 months by using CADISON. Thus, the time required for planning alone was reduced by around 30%.

CADISON module installed in VPT

- Project Engineer
- P&ID Designer
- 3D Designer
- MATPIPE
- NavisWorks JetStream (Roamer + Publisher)

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A joint venture of Neilsoft and TRIPLAN



VPT Managing Director
Carsten Kollenbach



"The time required for the project was reduced using CADISON because different work groups could work in parallel with one another."

The more projects VPT plans using CADISON the quicker planners to generate a reusable library of standard parts and components:

"One of the main advantages of CADISON is that it is possible to work with Ident parts and thus save an enormous amount of time."

Time required	using CADISON (scheduled)	using CADISON (real)
Basic Engineering	-20%	-20 to -30%
Detail Engineering	-20%	-20 to -30%
(a) Pipeline planning	-30%	
(b) Assembly planning	-10%	
(c) Instrumentation planning	-30%	
Time for change requirements	-40%	-25%
Coordination time	-20%	Not required in this case
Start specification/procurement	-10 to -20%	-15%
Total time	-30%	-30%