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Company profile & References

Quality Systems

# Company profile

- Established 2001
- A young organization with experienced staff and consultants
- Active in specialized services for the energy sector from well to wire

## Scope of Services

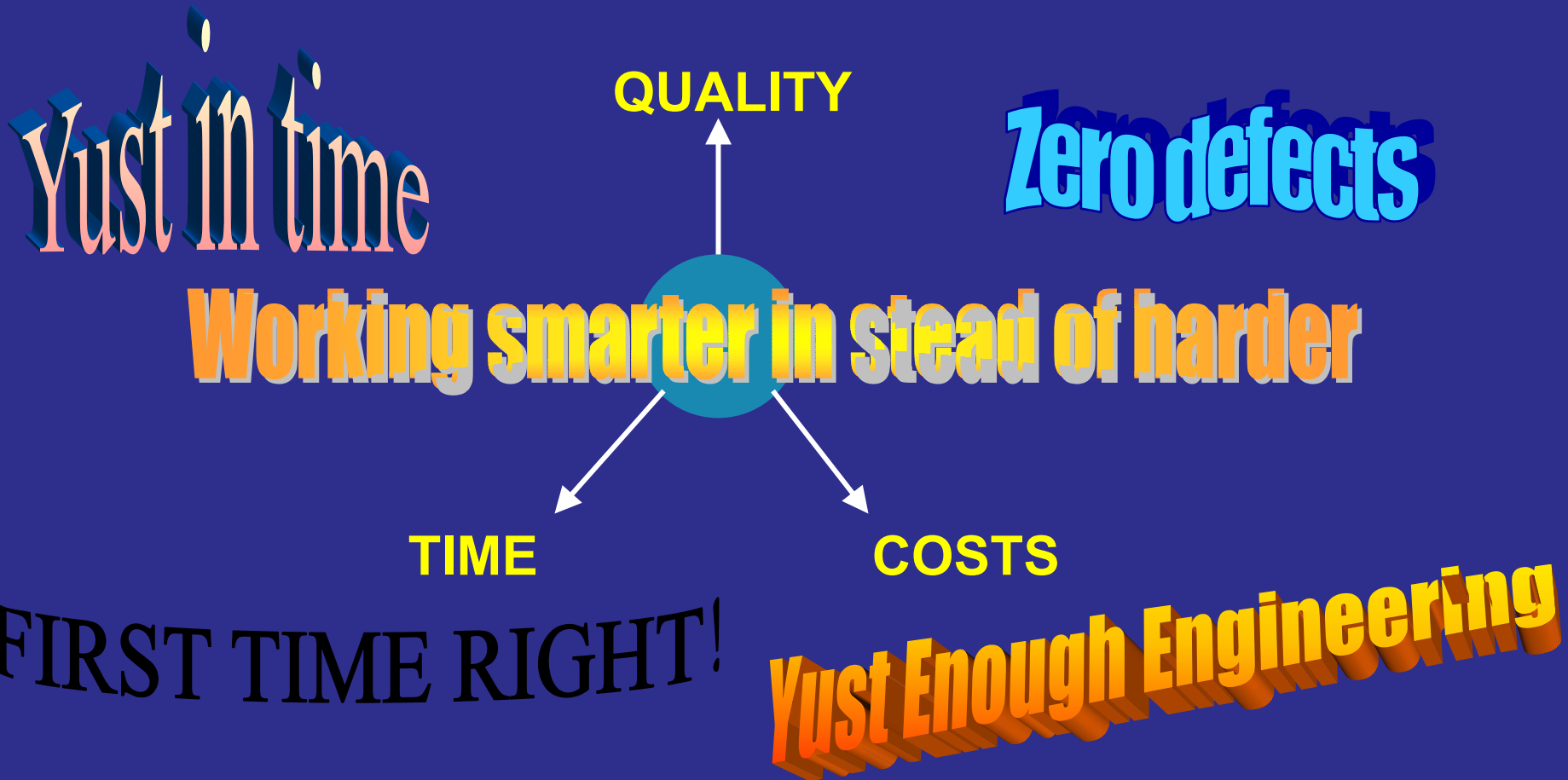
- **Q**A System Development & Implementation
- **S**afety & Risk Analyses
- **E**nvironmental Impact Studies
- Operational Project Support

# QA Systems

- QA System Development (ISO 9001,9004,14001, EN 13980)
- QA System upgrades & Flow Scheme Procedures
- Interactive QA Manuals on Intranet
- QA Auditing
- QA Certification Liaison
- QA Implementation (Electronic Meetings)

# QA System Development & Implementation

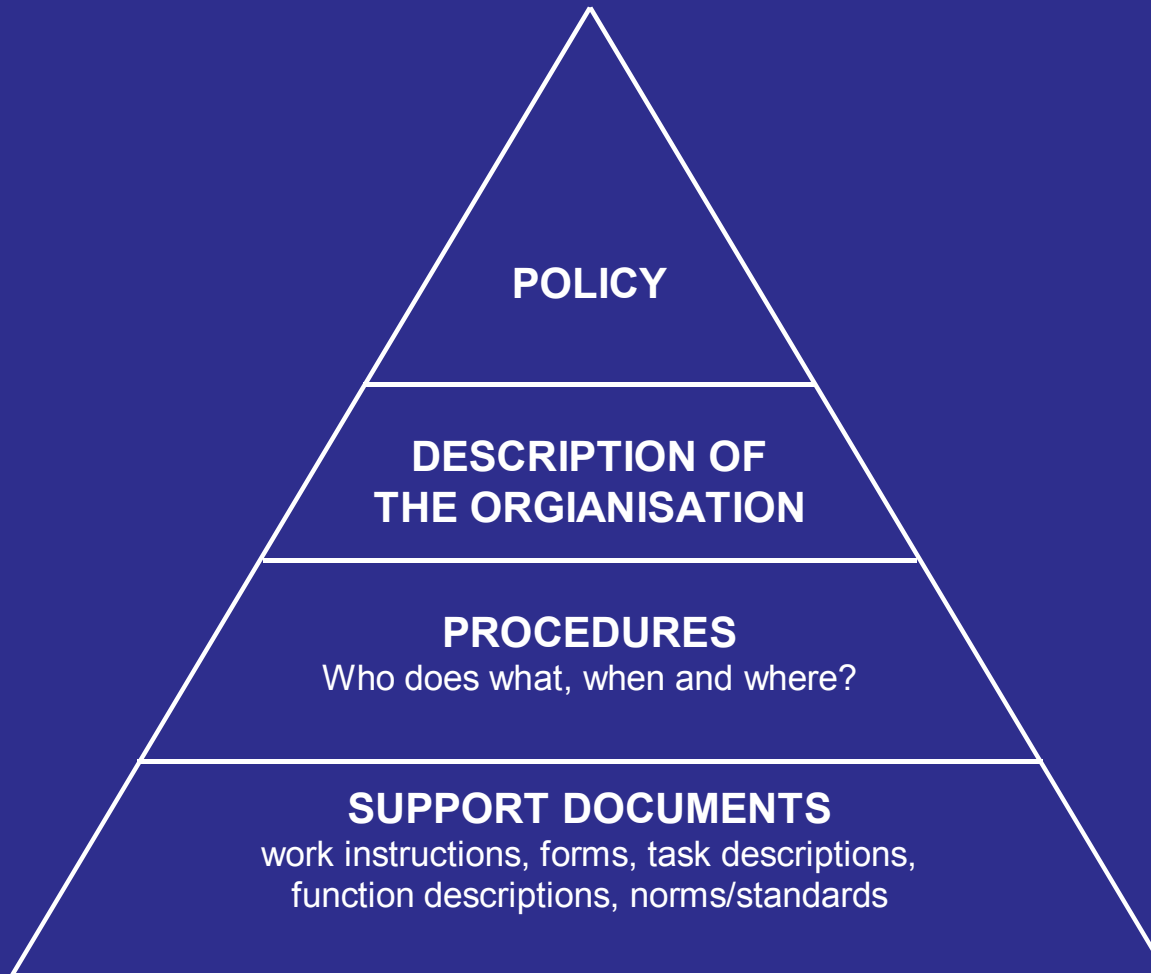
# Contractors Dilemma



## QA System Reference Projects

- NEVESBU  
The Hague  
ISO 9001 QA System &  
Implementation & Audits
- VandenBorre  
Oevel (B)  
ATEX QA System Audit  
Hydrogen Generator Systems
- DMN/Gesra  
Noordwijkerhout/  
Germany  
ATEX NEN-EN 13980 QA  
System implementation
- Allseas  
Delft  
Change Management  
Engineering

# Quality System





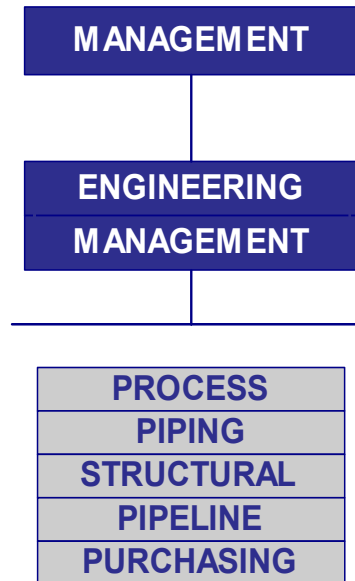
## Typical Policy Statement

**Company policy is to pursue long term continuity as engineers and consultants in naval architecture and marine engineering by providing a service to our customers at world class level and competitive cost.**

# Typical Organization



## *K.C.I. Organisation Structure*



# ISO 9001/EN 13980 Requirements

ISO Nr.	ISO 9001:2000/EN 13980 Element	Procedure / Manual
<b>4</b>	<b>QA Management system</b>	
4.1	<i>General requirements</i>	Manual
4.2	<i>Documentation requirements</i>	
4.2.2	Quality manual	Manual
4.2.3	Control of documents	PQ 1
4.2.4	Control of quality records	PQ 2
<b>5</b>	<b>Management responsibilities</b>	
5.1	<i>Management commitment</i>	Policy
5.2	<i>Customer focus</i>	PM 1
5.3	<i>Quality policy</i>	Policy
5.4	<i>Planning</i>	
5.4.1	Quality objectives	Manual
5.4.2	QA management system	PQ 3
5.5	<i>Responsibility, authority and communication</i>	
5.5.1	Responsibility and authority	
5.5.2	Management representative	Manual
5.5.3	Internal communication	Manual
5.6	<i>Management review</i>	Manual
5.6.1	General	PQ 3
5.6.2	Review input	
5.6.3	Review output	

# ISO 9001/EN 13980 Requirements

ISO Nr.	ISO 9001;2000/EN 13980 Element	Procedure/ Manual
<b>6</b>	<b>Resource management</b>	
6.1	<i>Provision of resources</i>	Manual
6.2	<i>Human resources</i>	Manual
6.2.1	General	Manual
6.2.2	Competence, awareness and training	PR 1
6.3	<i>Infrastructure</i>	Manual
6.4	<i>Work environment</i>	Manual
<b>7</b>	<b>Product realisation</b>	
7.1	<i>Planning of product realisation</i>	PQ 6
7.2	<i>Customer related processes</i>	PP 1
7.2.1	Determination product requirements	
7.2.2	Review of product related requirements	
7.2.3	<i>Customer communication</i>	
7.3	<i>Design and development</i>	PP 2
7.3.1	Planning design & development	
7.3.2	Input for deign & development	
7.3.3	Output design & development	
7.3.4	Design & development review	
7.3.5	Verification design & development	
7.3.6	Validation design & development	
7.3.7	Control of design change	

# ISO 9001/EN 13980 Requirements

ISO Nr.	ISO 9001;2000/EN 13980 Element	Procedure/ Manual
7	<b>Product realisation</b>	PP 3
7.4	<i>Purchasing</i>	
7.4.1	Purchasing process	
7.4.2	Purchasing information	
7.4.3	Verification purchased product	
7.5	<i>Production and service provision</i>	PP 4
7.5.1	Control of production and service provision	PP 5
7.5.2	Validation of process for production and service provision	PP 4
7.5.3	Identification and trace ability	PP 6
7.5.4	Customer property	PP 7
7.5.5	Preservation of product	PP 8
7.6	<i>Control of monitoring and measuring devices</i>	PP 9

# ISO 9001/EN 13980 Requirements

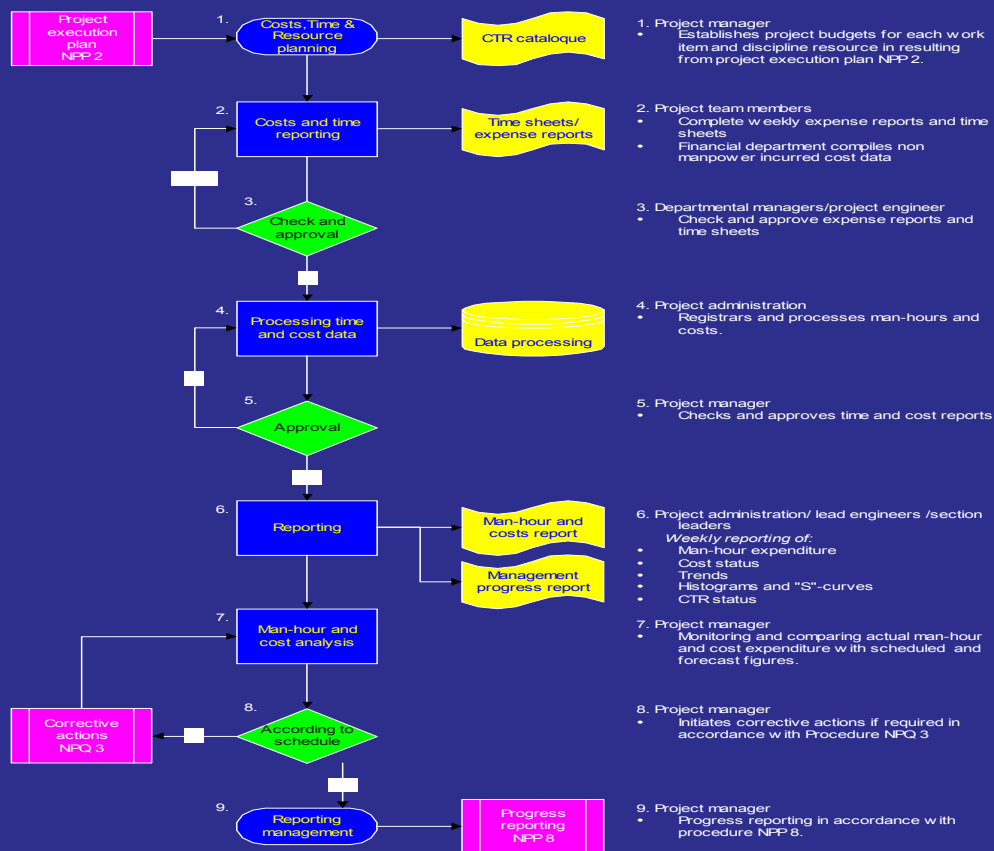
ISO Nr.	ISO 9001;2000/EN 13980 Element	Procedure/ Manual
8	<b>Measurement, analysis and improvement</b>	
8.1	<i>General</i>	PI 1
8.2	<i>Monitoring and measurement</i>	PI 2
8.2.1	Customer satisfaction	PM 1
8.2.2	Internal audit	PQ 4
8.2.3	Monitoring and measurement of process	PQ 4
8.2.4	Monitoring and measurement of product	PI 1
8.3	<i>Control of non-conforming product</i>	PI 2
8.4	<i>Analysis of data</i>	PI 3
8.5	<i>Improvement</i>	PI 2
8.5.1	Continual improvement	PQ 3
8.5.2	Corrective action	PQ 4
8.5.3	Preventive action	PQ 4

# Typical procedures

- Quality system
- P & O
- Financial
- Marketing & Sales
- Project control
- Engineering
- Process control
- Procurement
- Manufacturing
- Testing
- Material handling
- Statistics

# Flow sheet procedures

## NPP 5 Man-hour and cost control





# Typical time planning

- Compilation QA manual 3 months
- Computerization QA system 2 months
- Implementation QA system 4 months
- Certification procedure 1 month
- Internal audit 2 days