

# Capability & Prequalification Information

**K999** Engineering & Construction Co,.Ltd.



Table of Contents	Page No:
Company Information and Details	3
Financial Information	4
Factory and Equipment Data Sheet	5
Certifications	6
Personnel	7
Quality System	8
Calibration Program	8
Purchasing and Incoming Material Control	9
Process Control and Traceability	9
Acceptance & Inspection	10
NCR Information Feedback and Corrective Action	10
Health, Safety and Environmental	12

## The Company

K999 is a successful internationally accredited specialist engineering & construction company for the fabrication of all types of vessels, tanks, chutes, hoppers, conveyor systems from carbon steel and other exotic & stainless materials. We specialise in pipe spooling, tanks, and general fabrication of structural steel with dedicated in-house blasting and painting facilities. We also have hot induction pipe and RHS bending capabilities. Our focus is towards global projects for International clients. We are able to offer modularisation for large structures both within factory boundaries and port side convenience.

- ◆ Information completed by: Dennis Hockin/Managing Director
- ◆ Email address: [dennis@oge-asia.com](mailto:dennis@oge-asia.com)
- ◆ Contact details business & after hours: +66 (0) 80 439 6275

### 1. Company Information and details

1.1	Registered company name:	K999 Engineering & Construction Co. Ltd.
1.2	Registered company address:	174 Moo 5, Tambol Mapkha, Amphur Nikompattana, Rayong, 21180 Thailand.
1.3	Established:	31 <sup>th</sup> March 2006
1.4	Telephone:	+66 (0) 38 968 884 , +66 (0) 38 024 724
1.5	Facsimile:	+66 (0) 38 968 885
1.6	Affiliated companies:	Oil & Gas Engineering Co.,Ltd
1.7	Company registration number:	021 554 900 1002. Thailand
1.8	Contact person & title:	Dennis Hockin/Managing Director
1.9	Contact person email:	<a href="mailto:Dennis@oge-asia.com">Dennis@oge-asia.com</a>
1.10	Moblie contact:	+66 (0) 80 439 6275
1.11	Website:	<a href="http://www.k999thailand.com">www.k999thailand.com</a>
1.12	General email enquiries at:	<a href="mailto:info@k999thailand.com">info@k999thailand.com</a>

## 2. Financial Information

2.1	Principal bankers:	Siam Commercial Bank Public Company Limited.	
2.2	Branch & address:	Maptaphut Branch, 131 Sukhumvit Road Tambol Maptaphut, Amphur Muangrayong, Rayong Province, 21180 Thailand.	
2.3	Bank account number:	644-200026-5-840. US dollar account	
2.4	Bank swift code:	SICOTHBK	
2.5	Contact persons finance:	Ms Phatthachinee M. , Mr. Graeme Moore	
2.6	Principal Owners/Directors:	(1) Mr. Dennis Hockin Owner/Managing Director. (2) Mr. Graeme Moore Owner/Director.	
2.7	Paid up capital:	174,000,000 THB	
2.8	Averaged annual sales revenue over the 3 years:	USD\$25 Million. P.A.	
2.9	Debt/equity:	No Debt. All land, plant & equipment fully owned.	
2.10	Examples of our Major Clients:	Chevron Thailand	Karara Mining Pty. Ltd, Australia
		RCR Mining Pty. Ltd	Baker Hughes Thailand
		THI USA	Baker Hughes Australia
		BEC Singapore	Fortescue Metals Group Australia
		Dedert Corporation USA	SNC Lavalin West Africa
2.11	Strategic partners and suppliers:	Van Leeuwen Singapore Pipe and Tube	
		3Deling (3D laser & modeling)	
		Weir Minerals Australia, Steelmax, TMT.	

### 3. Factory and Equipment

3.1	Product line and capacity (single shift):	
A	Structural steel 10,000 tons/year	
B	Piping (carbon and stainless steels) 6,000 T/yr. ("1 million DB")	
C	Rubber lining	
D	Pressure vessels, tanks, chutes, platework 3,000 tons/year.	
E	Current plant loading at 17-22%	
F	Equipment and workshop capacity to 700 employed at full capacity.	
G	Hot induction pipe and RHS bending - capacity depends on pipe size and materials	
3.2	Undercover workshop area:	10,000 square metres in 4 separate buildings.
3.3	Total factory area:	33,000 square metres.
3.4	Overhead crane capacity:	7 x 5 T. cranes, 3 x 10 T. cranes. 1 x 5T gantry crane. Access to mobile yard cranes up to 500 Ton.
3.5	Electrical power supply:	2000KVA.is available.
3.6	Cutting CNC and plasma:	2 units CNC cutting max. Cutting thickness 150mm.
3.7	Rolling in house:	maximum thickness 20mm.
3.8	Drilling:	maximum diameter 76.2 mm.
3.9	Welding machines:	TIG 60, SMAW 80. Submerged Arc welding machines 2, CO2 Shield welding machines 80.
3.10	Heat induction pipe	Induction Pipe Bending Machine 6" to 24"
3.11	Band saw/radial drill:	4 band saw units.
3.12	Beam cutting:	Beams up to 1.8 metres wide.
3.13	Plate shearing:	1 shearing machine capacity 10mm.
3.14	Pipe rotators:	8 sets of powered pipe and vessel rotators.
3.15	Maximum handling:	Length 25 metre Diameter 7 metres Weight 200Tonne.

3.16	Blasting & painting:	Abrasive blasting & enclosed paint shop facilities.
3.17	Blasting media:	As required by client garnet, copper slag, grit and shot. Capabilities in-house
3.18	In-house manufacturing:	Abrasive blasting, protective paint coatings, cutting, drilling, fabricating, punching, plate shearing, surface treatment, welding and modularisation. Induction pipe bending.
3.19	Engineering can be performed from K999 or outsourced to approved engineering contractors. We provide shop detailing.	
3.20	Design is outsourced. But tank to API inhouse. "E Tank API"	
3.21	Tooling is outsourced to approved contractors.	
3.22	Largest module capable of being transported from K999 factory is height 5 metres x width 6 metres x length 24 metres.	
3.23	K999 has access to three International shipping ports, Laem Chabang, Maptathut, and Sattahip all within 50 kilometre radius of our factory.	
3.24	We are able to perform trial assembly at K999 factory and larger modules can be assembled at the port by K999's construction team.	
3.25	K999 has commercial shipping arrangements with a number of companies.	
3.26	In-house testing:	PTMT, UTM and DFT. MT. Pressure Testing Capabilities Outsourced
3.27	Outsourced manufacturing:	Heavy plate rolling, dish heads, heat treatment, machining and hot dip galvanizing. Cold and hot bending of plate, pipe and beam, stress relieving.
3.28	Outsourced testing:	NDT mechanical testing.
3.29	Equipment recently installed.	Long radius heat induction bending machine
3.30	Pipe size:	6" to 24"

## 4. Certification

<b>4.1</b>	<b>Certification Standards:</b>
1	Quality Management System ISO9001-2015 accredited by UL DQS MSS (Thailand) Certificate number 391555QM08.
2	ASME Certificate stamps "S" Cert. No. 43,461 and "U" Cert. No. 43,462

<ul style="list-style-type: none"> <li>New Thai Government Board of Investment Certificate - approved</li> </ul>		
<b>4.2 Code and Standards:</b>	GB, ASME, PED, AS, EN, API & AWS, BS.	
<b>5. Personnel</b>		
5.1 Key Management		
Position	Name	Email
Managing Director	Dennis Hockin	<a href="mailto:dennis@oge-asia.com">dennis@oge-asia.com</a>
Director	Graeme Moore	<a href="mailto:graeme@oge-asia.com">graeme@oge-asia.com</a>
Business Development	Daniel Hockin	<a href="mailto:daniel@k999thailand.com">daniel@k999thailand.com</a>
Factory Manager		
QA/QC Manager	Athipat Kamhom	<a href="mailto:atiphat@oge-asia.com">atiphat@oge-asia.com</a>
Safety Manager		
Engineering/Estimating	Dennis Hockin	<a href="mailto:dennis@oge-asia.com">dennis@oge-asia.com</a>
Sales	Dennis Hockin/Graeme Moore	<a href="mailto:dennis@oge-asia.com">dennis@oge-asia.com</a> <a href="mailto:graeme@oge-asia.com">graeme@oge-asia.com</a>
General Enquires	Information Distributor	<a href="mailto:info@k999thailand.com">info@k999thailand.com</a>
<b>Current 1 Shift with 10% Overtime: no limitations for additional shifts and O/T.</b>		
5.2 Technical management support personnel: 152		
Management/supervision: 10		
Technical engineers: 8		
Skilled trades personnel: 24		
ASME certified welders: 16		
Quality assurance inspectors: 10		
Semi-skilled trades assistances: 60		
Administration: 24		

K999 can increase its labour force to meet project expectations for e.g. in 2012/13

We carried up to 690 personnel, 350 in workshop, 340 for site erection (modularisation)

Industrial relations issues Zero

## 6. Quality System

6.1 K999 quality system is active from shop floor operators up to senior management. Our quality system is separate and a distinct part of our organisation. The quality system is managed by engineers and technical inspectors.

6.2 We have a controlled review system for our quality process.

6.3 We maintain an active document control change process.

6.4 All documents and drawings are open for inspection by our manufacturing team.

6.5 Customer drawings are utilised and all procedural changes must be approved by our client.

6.6 All purchasing documents are clearly defined to ensure that they match client requirements.

6.7 Personnel are trained or are qualified for specific assignments and training records are retained within the quality system.

6.8 Our retention time for records for ASME is 5 years and for other records 2 years.

## 7. Calibration Program

7.1 K999 maintains and retains procedural records for the control of calibration & inspection of testing equipment.

7.2 All measuring and test equipment is identified with calibration status which identifies traceability, these records are retained for quality purposes.



7.3 K999 quality control clearly identifies status of all equipment with date of calibration records. All damaged equipment is tagged for non-use. New equipment is periodically purchased to upgrade equipment and calibration standards.

7.4 Metrological records are taken, maintained and retained for quality purposes.

## 8. Purchasing and Incoming Material Control

8.1 We maintain an active process to evaluate and select suppliers, subcontractors on the ability to meet our requirements and clients specifications.

8.2 We ensure a documented list of qualified and approved suppliers.

8.3 We guarantee procedural control for inspection and verification of incoming raw materials for conformance.

8.4 Personnel are trained in receiving inspection to identify supplier's heat code markings and material traceability.

8.5 All raw materials and components are traceable to the supplier and checked to ensure they conform to the specified requirements.

8.6 Incoming inspection records are maintained and kept update.

8.7 Supplier and subcontractor audits are carried out by K999 personnel.

## 9. Process Control and Traceability

9.1 We follow written process control plans that outline all major activities that occur in our manufacturing process that affect quality.

9.2 Effective control procedures for storage of raw materials by project has been implemented.

9.3 The heat codes, job number, drawing number is recorded on all raw materials to ensure traceable throughout the manufacturing process.

9.4 K999 performs in-process inspections to ensure we are not deviating from the quality process. Hold points are identified for client inspection and approval prior to moving to the next step within our process.
9.5 Product acceptance status is identified and maintained throughout all stages of manufacturing, delivery and assembly processes.
9.6 All manufacturing equipment is inspected and calibrated prior to use, records are available to operators. Inspection is carried out every three months.
9.7 Operator/inspectors have access to documented instructions including frequency of inspections and recalibration requirements.
9.8 Operators and supervisors have access to drawings and specifications at appropriate work stations within the factory.
9.9 Each set-up activity is qualified prior to the production run by QA/QC engineers and welding engineers.
9.10 K999 maintains active hold points for client inspection and approvals prior to moving to the next phrase of the operations or collection point.
9.11 All manufacturing personnel have been trained and qualified for specific operations and training records are kept.
9.12 Inspection and NDT sampling will follow client's specific requirements.
9.13 Some special processes are sub-contracted out to pre-qualified approved contractors, such heat treating, HDG, Plating.
9.14 K999 can perform welding and fabrication with low carbon steel, alloy steels and austenitic steels duplex materials. Carbon Steel e.g. SA516 Gr. 70 Stainless Steel e.g. SA240, 304/L, 316/L, 317, 31803, SA182, F304, SA336, F304L Alloy e.g. SA182 F5, SA387, P91, P92, P11, P22, CrMo, CR-MOLY, and similar
9.15 K999 follows welding standards ASME section IX, AWS and others.
9.16 Our welders are qualified to ASME, AS and AWS standards.

9.17 Our welding processes are SAW, GMAW, STUD Weld, GTAW and FCAW
9.18 We maintain traceability records on all base metals and filler metals.
9.19 All filler metals are stored in controlled environments within sealed and kept dry safes.
9.20 Welding repairs are performed as per K999 welding procedures.
9.21 Coating thickness and surface textures are measured and documented, by internal auditors and approved subcontractors.
9.22 All coatings will be as per client's requirements and specification.
9.23 Abrasive blasting is performed by our personnel and the media will be as specified by our client.
9.24 All coatings and abrasive blasting are documented and controlled via the QA/QC systems.
9.25 All equipment for blasting and painting is calibrated and maintained records are retained within the system.
9.26 Written standards and procedures are available to operators.
9.27 Full traceability of components are tracked throughout the process with hold points as required.
9.28 K999 QA/QC systems provides procedures for handling, storage, packaging, identification and delivery of incoming, in process and finished product.
9.29 All finished items are verified against customer purchase orders for quality and quantity prior to release for shipment.
9.30 K999 provides a document conformance with each shipment verifying accuracy of information for material, workmanship and other data.

## 10. Acceptance and Inspection

10.1 All finished product is submitted for final acceptance with ITP prior to shipment.

10.2 All inspections instructions & test procedures are documented and available for final inspection. Including traceability records.

10.3 All inspection records are filed and copies are made available to our clients.

10.4 Acceptance status is clearly identified for all material after final inspection.

10.5 All NDE is performed by qualified technicians with third party accreditation.

10.6 K-999 maintains all copies of qualifications of all third party NDE contractors and their technicians.

10.7 All NDE is performed to documented procedures and customer requirements.

10.8 K999 will provide documentation for identification, protection and packing for shipping.

## 11. NCR Information Feedback and Corrective Action

11.1 All nonconforming material is identified, documented, evaluated and segregated. Pending our client's decision to reject/approve.

11.2 All discrepant material is reported to management for appropriate action.

11.3 All inspection and test reports of defective material are recorded and used for appropriate corrective action.

11.4 All raw material that is nonconforming will be quarantined and rejected and returned to the supplier.

11.5 K999 records all client complaints and appropriate correction action is initiated.

11.6 K999 analyses client rejections and nonconforming materials to develop planned for corrective actions.

11.7 All corrective actions reports are documented and records maintained.

11.8 We conduct internal audits of our quality assurance system and procedures.

## 12. Health, Safety and Environmental

12.1 K999 maintains an active health, safety & environmental policy and program approved by senior management.

12.2 We maintain manuals and written procedures to ensure healthy, safe environment for all employees and surrounding area.

12.3 K999 maintains an active drug and alcohol policy.

12.4 All manuals are under document control and revision.

12.5 K999 maintains a written induction and emergency response plan for all employees and visitors.

12.6 Senior management conduct meetings with employees on issues relating to health, safety and environment at daily toolbox (pre-start) meetings. Records are maintained of meetings.

12.7 We provide all necessary and appropriate PPE to all employees and visitors.

12.8 All accidents and near misses are reported and recorded, all incidents are investigated.

12.9 K999 has just completed 1,000,000 work hours with no injuries. (2012)

12.10 K999 has carried out an assessment of the impact of our operations on the local environment.

12.11 All subcontractors working at K999 are required to meet our health, safety & environment standards.

12.12 K999 performs audits to ensure compliance to our requirements for H.S&E.