

# Woodside Project

For Project Information, please refer to the Project Details Page within [ICN Gateway](#).

<b>Reference Number</b>	ME18
<b>Package Title</b>	<b>Shell And Tube Exchangers</b>
<b>Package Description</b>	<p><b>Background:</b> Woodside has a range of projects that may require shell and tube heat exchangers</p> <p><b>General Scope of Works:</b></p> <ul style="list-style-type: none"> <li>• Approximately 23 shell and tube exchangers (most likely split into two purchase orders) for each of two FPSOs</li> <li>• Documentation to oil and gas major project industry norms</li> <li>• Test &amp; Inspection</li> <li>• Engineering &amp; Design</li> <li>• Spares and special tools</li> </ul> <p>Pre-Qualification Requirements:</p> <ul style="list-style-type: none"> <li>• Must have minimum 5 years' experience in supply to the oil and gas industry.</li> <li>• Must have a list of past project experience and preferably in delivering to offshore Projects in Australian waters.</li> <li>• Must have an ISO quality system and OSHAS or similar certifications.</li> <li>• Must have storage capability for the manufactured products.</li> </ul>
<b>Standards</b>	<p>Woodside Specifications (addendum to IOGP S-614) available on request.</p> <p>Design verification required. Design registration is not required.</p> <p>To be suitable for Western Australian construction.</p>
<b>Delivery Place</b>	Asia
<b>Supplier EOI Instructions</b>	<p>Supplier(s) are invited to express interest by registering on <a href="#">ICN Gateway</a> where competency and previous positive experiences of similar systems can be demonstrated.</p> <p>ICNWA will follow up on full scope registrations by email, once the full scope closing date has passed. The supplier's response to ICNWA's email will form their Expression of Interest (EOI) for this package.</p> <p>Suppliers will only be considered for Prequalification to tender if deemed suitably qualified based on criteria, including but not limited to, HSSE, Quality management, Financial standing, Onshore / Offshore and Workload availability.</p> <p>Please note this is an Expression of Interest (EOI) only, the content of this work is subject to change pending project demand and timelines.</p>
<b>Contact</b>	<p>All initial enquiries should be made through the Industry Capability Network Western Australia (ICNWA).</p> <p><a href="#">Linus O'Brien</a></p>

	<a href="mailto:Linus.O'Brien@icnwa.org.au">Linus O'Brien@icnwa.org.au</a> +61 (0)8 9365 7556
<b>URL</b>	For more information about Woodside Energy please refer to the Woodside Energy Ltd. website <a href="http://www.woodside.com.au">www.woodside.com.au</a>
<b>Full Scope EOI Closing Date</b>	Friday 28 Feb 2020

Equip. No.	Quantity	Percent	Equipment Item	Fluid	Op. Capacity	Op. Capacity Unit of Measure	Op. Conditions Pressure kPag	Op. Conditions Temp °C	Des. Conditions Pressure KPag	Des. Conditions Temp °C	Absorbed Installed kW	Use Type	ID / W m	L (2) m	Unit Weight Dry Tonne	Material
E20001A/B/C	3	33.0	Inlet Gas Cooler	S T	Remark	kW	1499 6699 / 3899	35 to 60 89 to 40				C CM	1.7	10.2	31.8	Tubeside 22%Cr duplex / Shellside LTCS + 3 mm CA
E22001A/B	2	50	Condensate Stabiliser Feed Exch	S T	Remark	kW	639 899	158 to 66 21 to 148	4900	120		C XE	0.7	6.9	4.3	Tubes: 22% Cr duplex, Channel: CS + 3mm CA Shell: LTCS +3mm CA
E22002A/B	2	25	Condensate Stabiliser Reboiler	S T	9984	kW	1899 639	180 to 145 123 to 160	1800 3200	160 160		C HM	1.7	3.6	12.5	LTCS + 3 mm CA LTCS + 3 mm CA
E31001A/B	2	50	Depletion Compressor 1st Stage Discharge Cooler (FUTURE)	S T	remark	kW	1499 5399	35 to 60 70 to 45	1000	80		C CM	1.8	9.6	34.5	Tubes: 22% Cr duplex, Channel: CS + 3mm CA Shell: LTCS +3mm CA
E31002A/B	2	50	Depletion Compressor 2nd Stage	S T	remark	kW	1499 6699	35 to 60 66 to 45	2500	200		C CM	1.8	9.6	51.9	Tubes: 22% Cr duplex, Channel: CS + 3mm CA Shell: LTCS +3mm CA
E34003A/B	2	50	Deethaniser Reboiler	S T	14721	kW	3609 1899	139 to 163 180 to 155	42000	10 / 80	1861 2100	C HM	2.3	6.1	19.0	Shell: LTCS + 3 mm CA Channel: LTCS + 3 mm CA Tubes: 316L
E34004	1	100	Debutaniser Reboiler	S T	8642	kW	1129 1899	156 to 166 180 to 165	1200	80	19 22	C HM	2.4	6.1	72.4	Shell: LTCS + 3 mm CA Channel: LTCS + 3 mm CA Tubes: 316L
E34006	1	100	Depentaniser Reboiler	S T	2845	kW	659 1899	158 to 165 180 to 167	1200	120	2 3	C HM	1.7	6.1	56.1	Shell: LTCS + 3 mm CA Channel: LTCS + 3 mm CA Tubes: 316L
E36102	1	-	Amine LP Flash Gas Condenser	S T	7491	kW	1499 39	35 to 45 75 to 45	7800	60	48 75	C CM	2.1	10.5	23.2	Shell: LTCS + 3 mm CA Tube: 316L SS
E36104A/B	2	50	Amine Reboiler	S T	43989	kW	1699 54	180 to 140 116 to 117	4500	-56 / 80	5 8	C CM	2.1 / 3.2	13.5	28.8	316L 316L
E36202	1	-	Amine LP Flash Gas Condenser	S T	7491	kW	1499 39	35 to 45 75 to 45	23500	200	Incl Incl	C CM	2.1	10.5	23.2	Shell: LTCS + 3 mm CA Tube: 316L SS

E36204A/B	2	50	Amine Reboiler	S T	43989	kW	1699 54	180 to 140 116 to 117	7800	160	Incl Incl	C CM	2.1 / 3.2	13.5	28.8	316L 316L
E37001	1	100	Gas Mercury Removal Superhea	S T	5013	kW	1899 6549	180 to 140 28 to 33				C	0.9	5.9	11.1	Shell: LTCS + 3 mm CA Tubes: 22% Cr Duplex
E54102	1	100	Start UP Fuel Gas Superheater	S T	1146	kW	1899 4349	180 to 140 44 to 74				C CM	0.4	2.8	1.3	Shell: LTCS + 3 mm CA Tubeside: 22% Cr DSS