



Company Profile

SS-01010011-Capability Statement

South Seas
2024-01-23

Document Type

Company Profile

Preface & Legal

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Company Info.

	South Seas Group (AUS) Pty Ltd	ABN: 57 160 899 749 TFN: 942 410 285 ADD: 1/7 Abrams St, Balcatta, WA 6021, Australia
	South Seas Industries Pty Ltd	ABN: 85 623 355 082 TFN: 493 818 715 ADD: 1/7 Abrams St, Balcatta, WA 6021, Australia
	South Seas Technologies (Liaoning) Co., Ltd	CRN: MA10QUAH5 TRN: 2103 0000 5289 080 ADD: F5, 5 Keji Road, HT District, Anshan, Liaoning 114051, China
	South Seas Industries (Suzhou) Co., Ltd	CRN: MA275TN85 TRN: 3205 0600 1240 978 ADD: F5, C11, 1421 Wuzhong Rd, WZ, Suzhou, Jiangsu 215100, China

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1. Company Profile

South Seas was established in 2012, WA Australia, now it became a group of subsidiaries under the holding company Liaoning Zhongxin Automation Control Group (hereafter LZAC).

LZAC was established as a Jointed Venture by Ansteel Group, German and Singaporean investment back in 1990. It was one of the earliest companies to develop EIC solution businesses in Asia, specializes in research and provision of development, system integration, software development, complete solutions in Electrical, Instrumentation, Automation and Switchroom (E-House) across many industries.



South Seas is headquartered in Perth, Australia, regional headquarters in Suzhou and engineering centre in Anshan, China. With over 50 elite professionals focusing on world class deliveries for overseas projects and R&D in Electrical, Instrumentation and Automation solutions. As the backbone, the holding company LZAC employs nearly 200 highly skilled workforce, 90% of whom have university degrees or above. For the last 33 years, it successfully accumulates a wealth of experience in the field of industrial services as a comprehensive solution provider, businesses covering 25 countries in 5 continents including China, Japan, Australia, Sudan, Vietnam, Malaysia, Indonesia, Maldives, Ukraine, France, USA, Chile, Venezuela etc.



South Seas with LZAC has already delivered over one thousand projects internationally, powered by its ownership of 50+ software copyrights and patents developed from the basic automation on process plants to a high-level intelligent facility functional management. Certifications across industrialization and informatization of its self-developed products have been accredited by many organizations, such as 3C, ASTA, AS/NZ, Ausgrid, CE, CNAS, CSIRO, GB, IEC, NATA, UKAS, and Vipac.

South Seas maintains management systems under ISO9001, ISO14001, OHSAS18001 and ISO27001 for transfer its core company value towards our clients --- **Refactor for Better.**



2. Capability Overviews



Industry Sectors

	Mining & Metallurgy		Energy & Power
	Municipal & Water		Culture & sports
	Port Machinery		Petroleum & Chemical

Major Fields

		
Intelligent Application	Electric Control Equipment	Project EIC Solution
		
Network Expansion	Industrialization & Informatization Consultation	Professional Consultation



Key Clients

2.2. System Solutions

AUTOMATION
L1 (HARDWARE)

Schneider PLC



Siemens PLC



AB PLC



GE PLC



Honeywell DCS



Yokogawa DCS

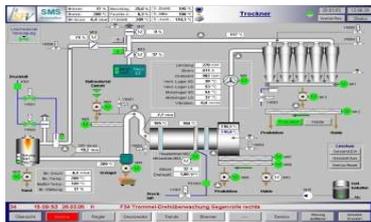


ABB DCS

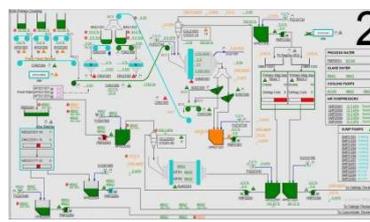


AUTOMATION
L2 SCADA&HMI

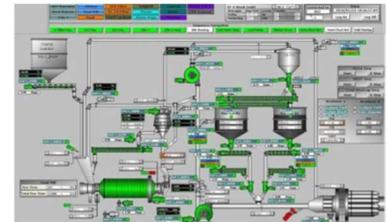
WINCC



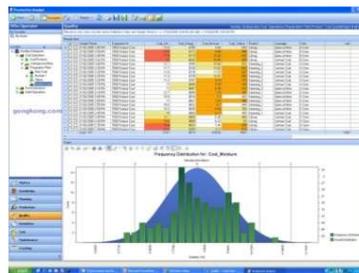
CITECT



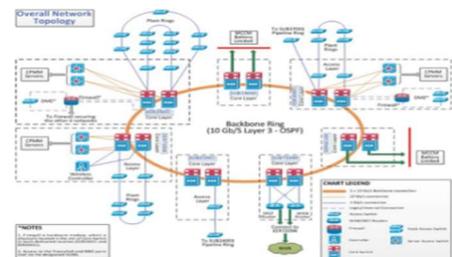
FACTORY TALK



AUTOMATION
L3 (MES&ERP)



NETWORK
SYSTEM



UNIFIED COMMS
SYSTEM

VOICE & VIDEO



EMAILS & APPS



IP PHONE



OTHER
SYSTEMS

IP-PA



DATA CENTER



SECURITY



APPS SOFTWARE



2.3. Equipment Supply

ELECTRICAL



LV&MV SWITCHGEAR



17 March 2017

Liaoning Zhongxin Group (Au) Pty Ltd
 Unit 3, 285 Lord Street
 Perth, WA 6000
 Australia



Dear David Macdonald,

Following is a summary of the successful verification tests completed and those still to be verified in accordance with EC: 51439-1 & 2 Ed 2.0 2011 for Liaoning Zhongxin Group (Au) Pty Ltd at Ausgrid Testing & Certification's ASTA accredited Lane Cove Testing Station during January and February 2017 on the 2050 A Air natural ventilated, 415 V / 690 V / 9kV (Un = Ue/Li/Uimp) 50 Hz, IP54, power switchgear and controlgear (PSC) assembly incorporating 2x 120 mm x 10 mm three-phase and 1x 120 mm x 10 mm neutral copper horizontal main busbar system, a vertical 1 - 60 x 10 mm three-phase and neutral copper busbar system, an incoming 4000 A ACB unit, three outgoing MCCB feeder units, two outgoing DOL units and a 1 - 40 mm x 10 mm protective circuit.

The manufacturer has assigned the following designation: 400 V MCC Test

The assembly is suitable for indoor use, has a metallic enclosure and comprises the following components:

- 4000 A ACB Incoming Line rated at: 4000 A, 415 V, 3 pole, Schneider, Masterpact, type MT40H2, fitted with electronic trip unit Micrologic 6.0E, Ui = 1000 V, Uimp = 12 kV, In = 4000 A, Ir = 1 x In, Ird = 10 x In, Isd = 15 x In, Icu = 100% Ics, Iou = 85 kA at 690 V, Iow = 85 kA for 1 s
- Unit No. 002: 100 A MCCB, 4 pole, Schneider type NSX100S, TM 16 D, Ir = 16 A, In = 100 A, Ui = 800 V, Uimp = 8 kV, Ics = Icu = 100 kA when Ue = 415 V, Earth-leakage protection: vigi 100F160, Δt = 60 ms, Un = 1 A
- 1000 A Feeder: 1000 A MCCB, 3 pole, Schneider Compact type NS100L, fitted with electronic trip unit Micrologic 6.0E, In = 1000 A, Li = 800 V, Uimp = 8 kV, Ue = 415 V, Iou = 150 kA, Ics = 100 % Icu
- Unit No. 004: 630 A MCCB, 4 pole, Schneider type NSX630S, fitted with electronic trip unit Micrologic 2.3, Io = 630 A, Ir = 1 x Io, Ird = 10 x Ir, Earth-leakage protection: vigi 630, Δt = 60 ms, Un = 1 A
- Unit No. 005: 630 A MCCB, 3 pole, Schneider type NSX630S, fitted with electronic trip unit Micrologic 1.3 M, Ird = 6500, Earth-leakage protection: vigi 630, Δt = 60 ms, Un = 1 A
- 250 kW outgoing DOL motor starter: Contactor: Schneider TeSys type LC1F500, Motor controller: Schneider TeSys type LTM08E0

The Manufacturer has assigned a rated current of 2050A Air Natural / 2500A Ventilated Air Natural 70 K limits / 2650A Air forced with filtered ventilation 80 K limits / and 2770A Air forced with IP4X ventilation without filters 80 K limits. The manufacturer also assigned a rated diversity of 1.0 to the outgoing units, a rated voltage of 415 V (Un), a rated insulation voltage of 690 V (Ui) and a rated impulse voltage of 6 kV (Uimp) to the complete PSC-assembly. The rated operational voltage Ue is the same as the rated voltage Un.

HV SWITCHGEAR

Schneider Electric



Siemens



ABB



VSD/VFD

Schneider



Siemens



ABB



AB



CONTROL

Rockwell Automation

Schneider Electric

OMRON



SIEMENS

Honeywell

ABB



INSTRUMENTNT

Endress+Hauser
 People for Process Automation

WTW
 a xylem brand

SHIMADZU

EMERSON
 Network Power

Outotec

Thermo
 ELECTRON CORPORATION

SIEMENS

Honeywell

2.4. Switchroom Solutions

A prefabricated /
 Containerised
 walk-in modular
 enclosure to house
 all relevant
 equipment.



Our "portable"
 solution along with
 skid or wheel-
 mounted ready to
 operate in the field
 with minimum work
 and clarifies the
 scope for all types
 of onsite works.

Applicable Equipment:

- HV/LV Switchboards
- HV/LV VSDs
- DB
- MCC
- PCS
- Instrumentation / COMMs
- UPS / DC Panel
- Fire System, HVAC, Lighting, Ventilation, etc.



Applicable Sectors:

- Mining / Metallurgy
- Power / Energy
- Oil / Chemical
- Ports / Shipping
- Urban Infrastructure
- Entertainment / Sports

2.5. South Seas Industries

South Seas Industries Pty Ltd. (hereinafter referred to as SSI) which was before named Oceania Industrial Co., Ltd. was established in 2017. The company is a subsidiary of South Seas Group (AUS) Pty Ltd., located in Western Australia, with industrial-grade operations and maintenance as its kernel business development, covering the entire Oceania region. Mainly engaged in electrical system design, electrical system integration, electrical system commissioning, electrical system operation and maintenance, mechanical system integration, mechanical system operation and maintenance and other integrated solutions involving many fields.

SSI has top-notch on-site supports, operation and maintenance and technical team, etc. More than 50 people, over 100% of whom have relevant work qualifications. All members have rich work and service experience. Provide professional and targeted technical support and solutions for different fields and deliver professional teams to provide on-site services and supports (operations, maintenance and shut down).

SSI has a first-class project management team that can switch between small projects and large scale. The reason is that the management team of SSI focuses on two aspects, planning system and management system. SSI can provide overall planning solutions, such as cost control, equipment operation status analysis, workload analysis, on-site shutdown maintenance plan, spare parts, and auxiliary materials plan, etc.

Management mechanisms are the main driver of all industry capabilities. When it comes to mining maintenance, a robust management system is an indispensable part of the entire field operation, including human resources, environmental impact, health and safety, mechanical equipment, structure, and pipe network systems. Specific details such as asset management, inventory management, quality management, large equipment maintenance management, risk control, production operations management, occupational health management, etc.



3. Project Management

South Seas will adhere to the attitude of being responsible for the project owner. In addition to adopting the current quality control system of client, it will also strictly supervise and control the design, production, processing, integration and other work involved in the project through the company's years of overseas project experience, especially the accumulated Australian projects, and in combination with the internal quality control process and methods.

For external suppliers and subcontractors, South Seas will adopt a complete supplier management and control system in China and Australia to ensure that the quality and standards of the equipment or systems it provides fully meet the standards and regulations required by the project. The sample documents of our project quality control and management are as follows:

- SS-032111-Project Quality Control Plan-Example
- SS-032121-Inspection and Testing Plan-Example
- SS-032011-ITP E-House System-Sample
- SS-032021-ITP MCC Panel-Sample
- SS-032031-ITP PLC Panel-Sample
- SS-032041-ITP VSD Panel-Sample
- SS-032051-ITP COMMS Panel-Sample
(Shall Provide only upon request*)

4. Packaging & Transportation

South Seas will deal with the goods according to the project and the national import and export quarantine requirements and the epidemic quarantine requirements. The specific details are as follows:

- SS-033211-Packaging and Shipping Control
(Shall Provide only upon request*)

5. Certifications & Qualifications

Company license, qualification and certificate details are as follows:

- SS-010311-Certifications & Qualifications
(Shall Provide only upon request*)

6. Project List

List of Projects details are as follows:

- SS-010211-Project List
(Shall Provide only upon request*)