



FORWARD THINKING

MAIN CONSTRUCTION COMPANY : Thies
 CONSTRUCTION VALUE : \$80 million
 COMPLETION DATE : September 2014
 SURVEYOR : SKS Surveys Pty Ltd

The \$80m Liebherr Facility involves the construct of a new Re-manufacturing Facility and National Distribution Centre for spare parts including an upgrade of existing and surrounding civil and roadworks, in-ground services, carparking and landscaping.

Liebherr-Australia appointed Thies to construct its 30,000m² Remanufacturing Facility and National Distribution Centre at Greenfield, Adelaide. Thies and Liebherr have partnered on many projects over the last 25 years and have established a mutually successful relationship.

This new facility will provide re-manufactured components and logistics services to support Liebherr-Australia.

Liebherr-Australia makes, sells and services cranes, earthmovers and other mining equipment and is part of the large global network, Liebherr Group.

Currently there are 5 Liebherr remanufacturing plants under construction around the world and this will be the first to be complete

and commissioned. This is a new field that Liebherr-Australia are investing in and they look forward to exciting times ahead.

Thies were responsible for the original Liebherr-Australia projects in the Hunter Valley, Mackay and Erskine Park, NSW.

This project will deliver a state-of-the-art facility in Adelaide. The team at Thies has developed smart building solutions to achieve the tight program schedule and overcome engineering challenges. Works include the construction of a three-level office complex, external civil works, in-ground services, car parking and landscaping, and approximately 1km of new road construction.

Thies was appointed to deliver the specialist building project following a successful collaboration with Liebherr to deliver a special-purpose

crane warehouse and maintenance facility at Erskine Park, Sydney. Thies personnel from the Erskine Park development joined the team on the Adelaide project to provide a seamless transition and efficiencies for the client.

The Thies project team met the challenges of the tight program, especially for early works. They engaged early with subcontractors and consultants for the design and construction of all in-ground works to cap the site and mitigate any risks from adverse weather.

To address the additional challenge of directional drilling of storm water pipes under a four-lane major highway in Adelaide, Thies engaged specialty subcontractors skilled in this process and worked closely with the Department of Public Transport Infrastructure in South Australia.

Proving their capability to adapt the company's German specifications to the Australian environment and building regulations, Thies has become a partner of choice for Liebherr.

Every day, Thies is constantly delivering iconic projects that shape our world and build a more sustainable future. The company is proud

to be Australia's leading construction, mining and services contractor with a growing international footprint, and employing more than 16,000 people.

Their large and diverse portfolio of work spans Australia's urban and regional centres. The company forges strong partnerships and leverages its multi-disciplinary capabilities to provide safe, innovative and value-add solutions across project life cycles.

Offering diverse services, from initial design through to ongoing operations and facilities management, Thies provide clients with greater value now and into the future. They understand that their success and reputation are built from consistently meeting and exceeding clients' expectations at every turn.

For more information contact Thies, Level 2, 101 Flinders Street, Adelaide SA 5000, phone 08 8274 5200, fax 08 8271 6228, website www.thies.com.au

TOTAL EXCELLENCE



Total Commercial Equipment partnered with Stoddart Food Service Equipment to consult with Thiess Pty Ltd for the supply and installation of commercial kitchen equipment to the Liebherr Facility canteen. The range supplied includes refrigeration equipment, cooking equipment and food service equipment along with stainless steel benching and shelving.

Stoddart Food Service Equipment is the largest manufacturer/importer of equipment for the food service industry. As a result, the equipment supplied for the Liebherr commercial kitchen, by Total Commercial Equipment, boasts leading brand names including Electrolux, Metro, Woodson and Simply Stainless.

Some of the new and innovative products which are featured at the Liebherr Facility canteen are noted below.

- Electrolux Air-O-Convect Touchline Electric Combi Steam Oven. This combi steam oven performs all the functions of a convection oven plus has a boilerless steaming function to add and retain moisture for high quality, consistent cooking cycles.
- Electrolux 700XP Cooking Equipment. The Electrolux 700XP range of cooking equipment features modular product lines, to custom fit any kitchen. It is high performing and durable equipment.
- Electrolux NHT8 Commercial Hood Type Dishwasher. This new dishwasher from Electrolux uses less water, energy,

detergent and rinse aid for lower running costs and less impact on the environment. It is the best in its class for washing and rinsing performance with total detergent removal. It also features a unique wash-safe control device for a consistent nominal rinsing temperature of 84°C.

- Woodson Square Profile Hot Food Bar. Ideal for the displaying of pre-cooked food, the Woodson hot food bar features stainless steel construction with dual skin air-insulated bain marie tank for improved safety. It is a square profile design with toughened glass gantry.
- Simply Stainless Modular Benching System. Simply Stainless has the world's leading range of quality modular stainless steel sinks, tables, benches and shelving. It is a quality, value for money system that carries a lifetime warranty.

Total Commercial Equipment is a privately owned business, supplying all areas of Australia with commercial kitchen and laundry equipment. The team has over 20 years experience within the food service industry, from design, AutoCAD, food safety legislation, installation and servicing. Minor building projects are their specialty including everything from design, consultation and installation. Total Commercial Equipment also has their own service department with qualified service technicians for preventative maintenance and service requirements.

For more information contact Total Commercial Equipment, 6/20 Magill Road, Norwood SA 5067, phone 1300 355 769, website www.TotalCommercialEquipment.com.au



ROOFMAX UP ON TOP

Roofmax was honoured to be awarded the roofing and cladding insulated panel package by Thiess Pty Ltd for the Liebherr Facility Development. The project, located at Para Hills West in South Australia, will house the head office of Liebherr Cranes Australia.

The supply and installation of 50,000m² of insulated roof and wall panneling is the largest insulated Kingspan wall panel project in South Australia.

The successful completion of the project was demonstrated through the skilled workmanship of the Roofmax tradesmen with the combined efforts and experience of qualified Project Managers and Supervisors who were proficient in managing the project with safety, efficiency and diligence from start to finish.

Roofmax were proud winners of the Arrium Mining and One Steel Excellence Awards in 2013. This award was for "Safety Contractor of the Year" installing roofing and cladding on the sizeable and challenging Whyalla Port Expansion Project.

Roofmax continues to practice the stringent values of Occupational Health & Safety, continuing to establish rigorous processes, adopting

job specific design and systems to improve safety management on site which is communicated to all employees of the Roofmax team to aid a safe working environment.

According to Roofmax owner Managing Director Mark Burns, much of the success of the company is derived from the combined efforts and expertise of a qualified and professional team, with the aim to exceed the customers' expectations.

This has been further achieved through instilling a company philosophy of "GOAL ZERO" NO INJURIES - NO ACCIDENTS and by continually monitoring and initiating ideas and strategies to improve safety performance whilst remaining competitive in today's tendering market and never compromising on safety.

With over 30 years of roofing experience and employing over 40 workers at any given time from Estimators, Project Managers, Supervisors and Qualified Roof Plumbers, the Roofmax team is experienced to manage any project, large or small.

Consider Roofmax for your next innovative and cost-effective roofing and cladding project.

For more information contact Roofmax Pty Ltd, Unit 1, 2 Hewer Street, Hampstead Gardens SA 5086, phone 08 8261 5899, fax 08 8261 5099 website www.roofmax.com.au



A FINE ENTRANCE

With a strong history backing them, ASSA ABLOY Entrance Systems are leaders in providing comprehensive entrance solutions for the front, back and interior of leading buildings. Eight team members were dedicated to completing the needs of the recent Liebherr Facility project, which included the supply and installation of 18 high performance, rapid roll security doors.

The selected doors were required to have clear vision throughout the building and as a result ASSA ABLOY Entrance Systems chose to supply 16 clear vision lamellas, which provide outstanding vision from both sides of the door whilst maintaining full security options.

These superb doors are capable of opening speeds up to 3 metres per second and feature security and safety options that are state of the art.

Smooth functioning entrances are a prerequisite for any successful business and so are smoothly functioning relationships. The combined products, solutions and knowledge of ASSA ABLOY Entrance Systems create a strong partnership for every aspect of entrance automation.

ASSA ABLOY Entrance Systems are the world's most comprehensive supplier of entrance automation solutions. With a holistic approach to the flow of people, goods and vehicles, the team create solutions with the best possible balance of cost, quality and lifetime performance.

ASSA ABLOY Entrance Systems is no stranger to tough project requirements. Their high-performance doors can be found everywhere, from coal mines to clean rooms and hospitals to hazard zones. With their speed, durability, hygiene and efficiency, these doors cover the full range of specialized needs.

Utilising their own factory-trained technicians to not only install their doors, but provide maintenance, ASSA ABLOY Entrance Systems have earned a reputation for providing the best possible service on all projects. The team is currently working on the BHP Iron Ore facilities in Newman, Western Australia and the Perth Airport upgrade.

For more information contact ASSA ABLOY Entrance Systems, Paul Mills Country General Manager, Unit 2, 17 Stanton Road, Seven Hills NSW 2147, phone 02 8804 9700, fax 02 9838 0230



COMPRESS TO IMPRESS

As an authorised distributor of Kaeser Compressors and Infinity Piping, Mobile Compressed Air has been servicing the diverse needs of South Australia's manufacturing sectors for the past 20 years. Recently, Mobile Compressed Air were contracted to carry out work at the \$80m Liebherr Facility in Adelaide. The new development saw the construction of a new Remanufacturing Facility and National Distribution Centre.

Kaeser Compressors was chosen for this project due to it's industry leading energy efficiency. Some of the main features are listed below:

- A central computer control or Kaeser Sigma Air Manager that monitors and switches on and off the three compressors to meet the demand most efficiently.
- One of the three compressors operates with a Variable Speed Drive to constantly meet the changing needs of the factory in conjunction with either one of the other fixed speed units.
- Air Demand is anticipated to vary significantly through out the day and the combination of three units provides the most cost efficient energy consumption with a high level of redundancy.
- The configuration of both Variable and Fixed speed compressors with a Master Controller represents World's Best Practice to minimise energy use.

The Liebherr project was quite unique as the large factory floor needed to have compressed air available in large quantities and in many locations. Large pieces of mining equipment were dismantled and re-assembled in several locations. The Air Main Design was complex and needed a great deal of input from Mobile Compressed Air's technical department. Liebherr wanted a very clean layout with Air Distribution Manifolds incorporating multiple sockets of different sizes (a bit like an electrical plug pack). These needed to be designed and fabricated in South Australia out of a single billet of high Quality Aluminium by Precise Machining and Manufacturing.

The Air Main was also made of the latest Infinity zircon coated Aluminium Piping System that does not corrode from contact with Condensation and incorporates Swan Neck's construction to minimise condensation entering the service dropper at the point of usage. The Air Main runs over many hundred of meters and is installed to allow Gantry Cranes to operate the complete length of the facility.

Mobile Compressed Air, Thiess and Liebherr worked together as a team to achieve the perfect end result through careful project planning and coordination of processes throughout the installation phase.

For more information contact Mobile Compressed Air Pty Ltd, 75 Rundle Rd, Salisbury South SA 5106, phone 08 8281 1677, website www.compressedair.com.au