



# TEi SERVICES

**ENGINEERING  
SOLUTIONS FOR  
TOMORROW**

## CONTACT US

+61 7 4774 5811

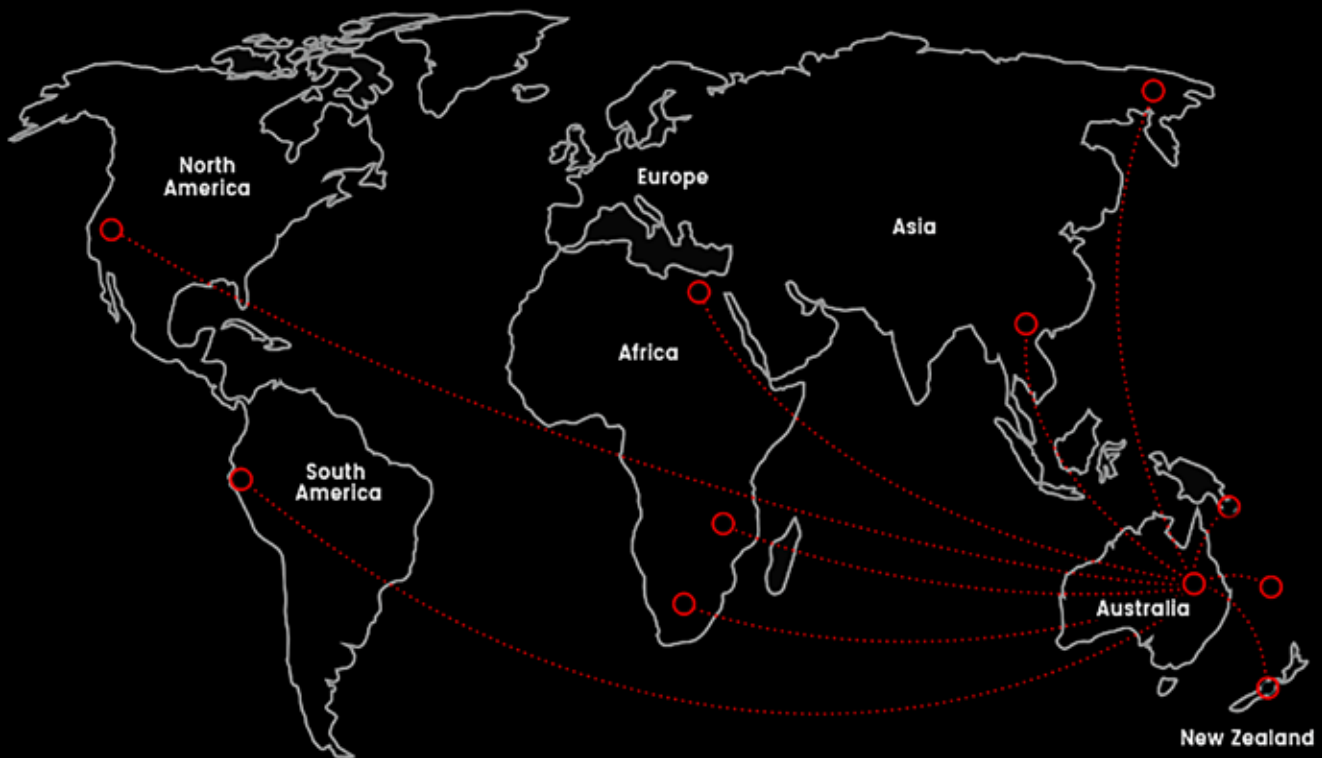
tei@tei.com.au  
24-34 Enterprise Street  
Townsville, North Queensland, 4818

**www.tei.com.au**





**IMAGINE.INNOVATE.CREATE**



TEi Services acknowledges our head office is situated on the traditional lands of the Wulgurukaba People and respects their elders past, present and emerging.



# TEi SERVICES

TEi Services consistently delivers engineering solutions at the intersection of ingenuity and tradition. We're proudly at the forefront of engineering trends and innovations shaping the manufacturing industry for the global opportunities and challenges of tomorrow.

The TEi Services mantra is **IMAGINE.INNOVATE.CREATE** – because we're always adapting, embracing emerging technologies, developing new project management approaches and striving for quality to help our clients achieve more out of their projects than they ever imagined.

Yet, we also keep 'one eye on the past', carrying forward with decades of proven experience and commitment to the relationships on which TEi Services was built.

We understand our value extends far beyond fit-for-purpose tanks and trolleys. Our clients collaborate with us repeatedly because of our passion for creative problem-solving.

This reputation has been forged from over fifty years of operations, a leadership team with 100 years' combined experience and the hands-on expertise of the best technicians in the industry.

Across the globe, our solutions extend to clients from mining to minerals processing, manufacturing to transport and defence to public infrastructure. No matter the unique challenges our clients face, our team of keenly entrepreneurial, resourceful and collaborative people deliver outcomes, time and time again.

Our service includes whole-of-life commitment to our clients, providing long-term support and maintenance for every solution we deliver.



Teamed with a combination of experienced workforce and leading-edge engineering technology, TEi have built a reputation as a prominent supplier of engineering services around the globe.

We're exceedingly proud of the TEi Services' name, from our humble beginnings as a small jobbing shop to an international solutions provider destined for immense growth.

We thank you for your interest in partnering with TEi Services for your engineering solutions and look forward to supporting your success.



*J. Casey*

**Jarrod Casey**  
Director

*R. Parker*

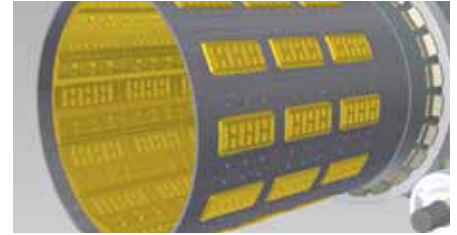
**Richard Parker**  
Director

*A. Packer*

**Adam Packer**  
Director

# GLOBAL SOLUTIONS FOR ALL SECTORS

✓DESIGN ✓DRAFTING ✓FABRICATION ✓COATING ✓MONITORING ✓MAINTENANCE



## DEFENCE, AEROSPACE AND SPACE

- Detailed mechanical and structural design
- Military vehicle componentry
- Heavy and military vehicle coating and repairs
- Telescope bogie refurbishment
- Radome structure works
- Antenna and specialist telecommunications refurbishment (i.e. NASA Deep Space Communication Network azimuth bearing replacements in AUS and USA).

## CUSTOM ENGINEERING SOLUTIONS AND MAINTENANCE

- 3D modelling, design and drafting
- Steel, specialist alloy and stainless steel fabrication
- Research and development of innovative engineering solutions

## MINING AND RESOURCES

- Crusher rebuilds
- Application specific steel trommel design, fabrication and installation
- Excavator buckets and haul truck bodies
- Application-specific trommels
- Process and system modelling and optimisation
- Stacker-reclaimers
- Conveyor structures and chutes
- Shiploader cylinders
- Tanks, pipelines and pressurized equipment
- Tank relocations
- Major structures



## TRANSPORT AND LOGISTICS

- Railway bridge works (repairs and replacements)
- Condition monitoring and preventative maintenance
- Gearbox Inspection and refurbishment
- Mechanical design optimisation, maintenance and re-certification
- Mid-Life asset Inspections, non-destructive examinations and engineering re-certifications

## CIVIL AND INFRASTRUCTURE

- Structural and civil design
- Bridge refurbishment
- Site construction, erection and commissioning
- Asset inspections
- Asset analysis and certifications
- End-of-life decommissioning
- Design of stormwater and water reservoirs and storage tanks
- Water and wastewater treatment plant maintenance and upgrades

## INDUSTRIAL AND MANUFACTURING

- Medium and heavy structural steel, mechanical and plate fabrication and forming
- Hoppers, bins, chutes, wear liners and conveyors
- Bulk liquid tanks, reservoirs and vessels
- Specialised pipe welding
- Industrial blasting and painting



# QUALITY ACCREDITED ENGINEERING SOLUTIONS

✓IMAGINE ✓INNOVATE ✓CREATE



## FABRICATION SOLUTIONS

- 1000 tonne brake press
- Overhead gantry cranes with 35 tonne lifting capacity
- Plate Rollers (32 mm thick by 4000 mm wide)
- 400 A CNC Plasma Cutter
- 400 tonne table press
- Section Rollers
- Sub Arc Welding capability
- Welding Rotators and positioners
- Mobile Cranes with 80 tonne lifting capacity
- Light Fabrication and metal work
- Welding Cobot
- Semi-automated welding solutions
- Fleet of medium, and heavy rigid trucks

## MECHANICAL SOLUTIONS

- 4 axis CNC Machining centre with tool changer
- CNC and manual Lathes
- Horizontal boring machines
- Vertical Boring Machines
- Line Boring Machines
- Bridge Milling machines
- Slotting Machine
- Surface Grinder

## BLASTING AND PAINTING SOLUTIONS

- ✓ Abrasive grit blast chamber (4.9m wide by 4.2m high by 12m long)
- ✓ Enclosed paint shed
- ✓ Airless and conventional spray painting



✓ **AS/NZS ISO9001:2015**  
**Quality Management System**

✓ **AS/NZS ISO3834.2**  
**Comprehensive Welding Systems**



# INNOVATION GUIDED BY QUALITY

## COMMITMENT TO INNOVATION

TEi Services are looking to a future that embraces the new manufacturing landscape. Our strategic focus on continuous improvement and innovation is demonstrated by our:

- ✓ Frequent technology upgrades of our existing production equipment to improve productivity
- ✓ Adoption of new technology to improve reliability and productivity in welding operations.
- ✓ Additive manufacturing in both composites and metals at various scales
- ✓ Utilising Digital Twins and 3D scanning to validate product quality
- ✓ Trialling augmented reality training, production and service delivery approaches
- ✓ Adopting virtual on-site support for products (industrial wearable communications)
- ✓ Actively investigating the use of robots, cobots and artificial intelligence in our production environment.

# QUALITY MANAGEMENT FRAMEWORK

TEi Services maintains our Quality Management System to set clear benchmarks in support of our commitment to continuous improvement and exceptional client service.

## CERTIFICATIONS

- Qualified International Welding Specialists and Inspectors
- WTIA International Cert 10
- Weld Australia Approved Examination Centre
- NACE Level 2 Coating Inspectors
- Third Party Quality Inspections

## INDUSTRY RELATIONSHIPS

- Weld Australia
- Webforge Australia Joint Venture
- Australian Industry Group
- Advanced Manufacturing Hub Townsville (Queensland Government)
- North Queensland Defence Industry
- Hub (Queensland Government)
- James Cook University School of Engineering
- Tec-NQ
- TOR GAS
- Australian Industry & Defence Network
- Hardox Wearparts Network Partner

## ENVIRONMENT AND SUSTAINABILITY

At TEi Services our commitment to the environment is demonstrated by our actions and our conscious effort to regularly monitor and reduce our impact, as committed to in our Environment Policy.

**Environmental License**  
**#ERA/0253**

## POLICIES AND PROCEDURES

TEi Services Accredited Quality Management System supports staff, subcontractors, clients, visitors and members of the public to operate within our strict standards for health, safety and wellness relating to:

- Work health and safety
- Mental health
- Domestic and family violence
- Inclusion and diversity
- Cybersecurity

## PREQUALIFICATIONS

- Queensland Government Prequalified Building Contractor Level 2
- Queensland Transport and Main Roads Registered MRTS 78 Level 1 (Fabrication of structural steel)
- Queensland Rail Prequalified

## INSURANCES

- ✓ Public Liability Insurance
- ✓ WorkCover Insurance
- ✓ Vehicle Insurance
- ✓ Travel Insurance
- ✓ Project-specific insurance as needed

✓ **AS/NZS ISO9001:2015**  
**Quality Management System**

✓ **AS/NZS ISO3834.2**  
**Comprehensive Welding Systems**

# OUR LEADERSHIP TEAM

**TEi Services, partners with clients to define a shared vision to guide the process from concept to completion. We then work tirelessly to deliver exceptional outcomes.**



**GENERAL MANAGER**  
**RICHARD PARKER**

Richard discovered his passion for manufacturing as a young drawing office print boy in Tasmania. Over his career Richard has contributed to projects as diverse as Bass Strait drilling platforms to the Townsville Hospital Development in 1999. A passionate advocate for regional communities, Richard loves to share his enthusiasm for manufacturing skills development as a regular contributor to industry panels with the goal to encourage further insight innovation, diversity and sustainability of the industry. Richard ardently believes the growth of his people assures the growth and sustainability of the TEi Services brand.

Adam began his career as a boiler maker apprentice at TEi Services more than twenty years ago. Since then, Adam gained WTIA International Welding Inspector and Supervisor certification and has led the growth and expansion of TEi services internationally, across traditional and emerging sectors. Acknowledged as a mentor in his field, Adam is focused on driving the modernisation of TEi Services to continue to exceed client expectations long into the future. He is also a fierce advocate for exceptional apprentice training and is invested in building TEi Services' Apprenticeship Program.



**BUSINESS DEVELOPMENT MANAGER**  
**ADAM PACKER**



**PROJECTS MANAGER**  
**JARROD CASEY**

Jarrod launched his career a decade ago at TEi Services as a university graduate. Jarrod is now a highly skilled civil construction engineer and project manager with extensive experience supporting TEi Services international clients. Jarrod's experience includes major infrastructure projects including the Cungulla Reservoir Tower Upgrade and Paluma Dam Wall Upgrade. His long-term focus is to stay at the forefront of project delivery practices for the benefit of our clients.



Frank launched his career over fifteen years ago as an apprentice boilermaker. He is now a leading subject matter expert within the manufacturing and minerals processing industries. Frank's commitment to quality and safety are of the highest calibre, a major career highlight was gaining his Welding Supervisor qualifications to AS1796 in 2011; as well as holding NACE Level 2 Coating Inspector and various other certificates relating to quality, auditing, and specialist welding. His background in writing welding procedures, non-destructive testing and training ensure compliance to industry and Australian standards are continually achieved. Frank is extremely proud of his long-term commitment to quality improvements, having a major influence and project champion for TEi Services obtain ISO3834.2 accreditation.



**QUALITY SUPERVISOR & WELDING COORDINATOR**

**FRANK RUSSO**



Terry's career in production planning began in NSW over twenty-five years ago as an apprentice boilermaker. Today, Terry leads a team of more than forty tradespeople, apprentices, and labourers, calling on his strong background in metal fabrication, construction and processing plants. Terry continues to drive innovation through lean manufacturing principals and instil best practice methods throughout his team.

**PRODUCTION MANAGER**

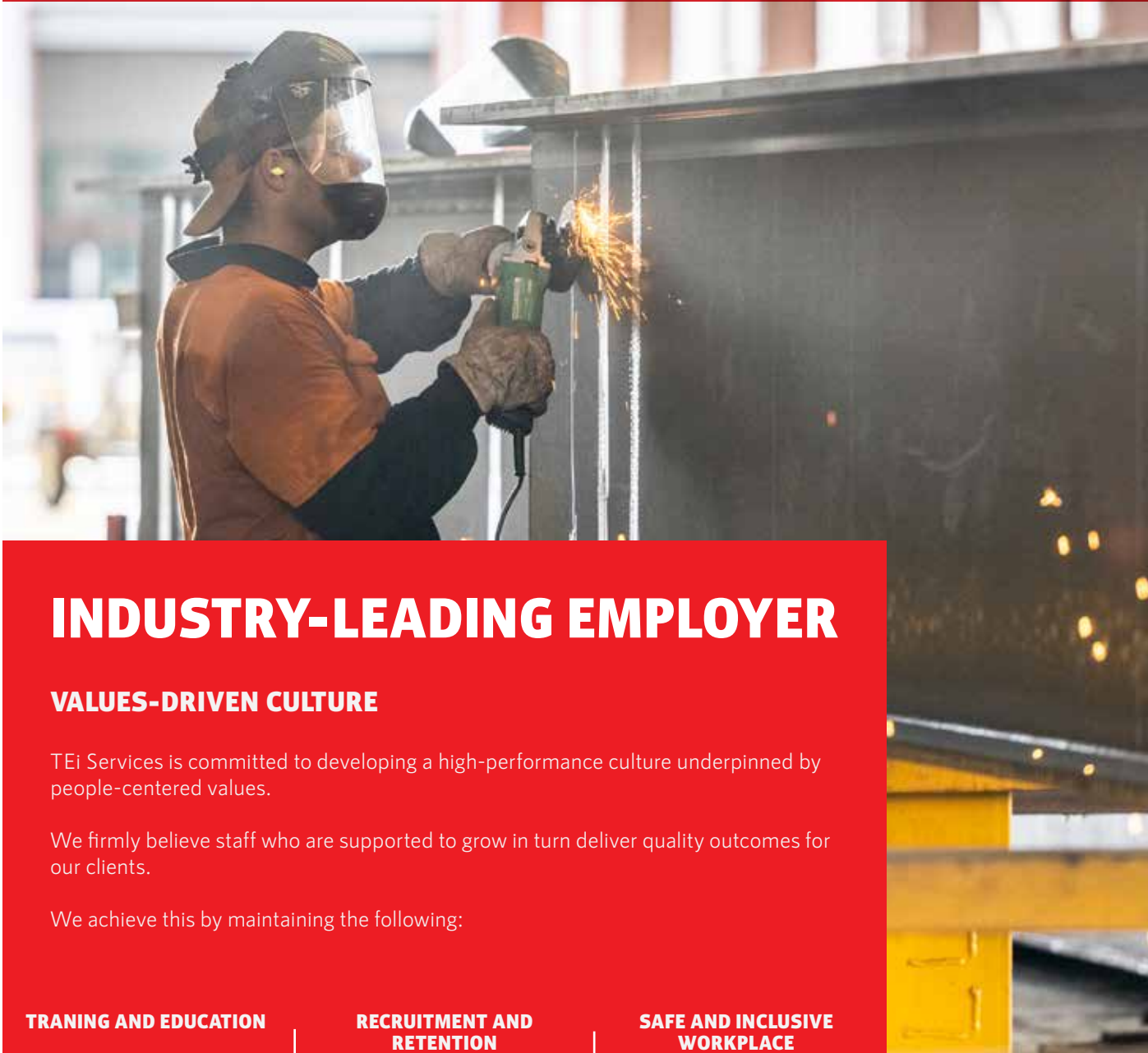
**TERRY EATON**

Deena has always loved numbers, first supporting her mother's bookkeeping business to today managing all aspects of TEi Services administration and finance portfolios. Deena's experience spans two decades and includes contributing to the success of the North Burdekin Water Board as well as front-line roles for the Queensland Department of Natural Resources and Mines. Deena attributes her 16-year career with TEi Services to the team-oriented culture and flexibility to visit her extended family in the Burdekin.



**ADMINISTRATION MANAGER**

**DEENA STIRLING**



# INDUSTRY-LEADING EMPLOYER

## VALUES-DRIVEN CULTURE

TEi Services is committed to developing a high-performance culture underpinned by people-centered values.

We firmly believe staff who are supported to grow in turn deliver quality outcomes for our clients.

We achieve this by maintaining the following:

### TRAINING AND EDUCATION

- ✓ **Apprenticeship program** - supported 120 apprentices to establish careers in engineering in the last two decades
- ✓ **VET program support** - providing work experience opportunities in support of several local high school VET programs
- ✓ **University presentations** - frequently providing presentations to James Cook University students on engineering and industry topics

### RECRUITMENT AND RETENTION

- ✓ Policies relating to advancing the interests of First Nations Peoples
- ✓ Policies supporting the recruitment of women
- ✓ Comprehensive employee induction process
- ✓ Above industry remuneration
- ✓ Reward and recognition program

### SAFE AND INCLUSIVE WORKPLACE

- ✓ Policies relating to diversity, inclusivity, safety and wellness
- ✓ Policies relating to ethical business practices
- ✓ Employee Assistance Program
- ✓ Online Employee Resources Portal



## A SNAPSHOT OF TEi SERVICES



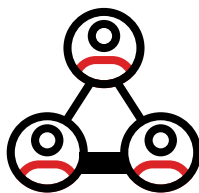
**50 YEARS**  
in operation



**120 APPRENTICES**  
employed in last two  
decades



**15% ABOVE INDUSTRY  
AVERAGE**  
apprenticeship  
completion rate



**100 YEARS**  
combined management  
team experience



**60 EMPLOYED**  
throughout our  
operation



**7.5 YEARS**  
average length of  
employment

## LOCAL INDUSTRY DEVELOPMENT

Our Local Industry Policy acknowledges TEi Services capability and capacity to exceed the expectations of our clients is dependent on our positive relationships with local subcontractors and suppliers. Guided by this policy, we support and connect local businesses in our supply chain and provide learning and development opportunities on major projects.



# OUR TRACK RECORD OF SOLUTIONS



**TOWNSVILLE CITY COUNCIL**

## MOUNT LOUISA RESERVOIR 3

<b>PROJECT VALUE</b>	\$5.95M
<b>COMPLETION</b>	2016
<b>LOCATION</b>	Townsville, QLD

Supply and construct project which included project management, civil works, fabrication, site construction, connection and commissioning of 22.5ML water reservoir.

<b>PROJECT VALUE</b>	\$4.3M
<b>COMPLETION</b>	2020
<b>LOCATION</b>	Cassowary Coast, Far North Queensland

Detail drafting, fabrication, galvanising, pre-assembly and delivery of approximately 400T of steel spans and walkways for 16 timber bridge replacements between Cardwell and El Arish, in the Cassowary Coast region. Bridges were pre-assembled in 3-girder modules complete with composite transoms installed prior to delivery to site.



**VEC CIVIL ENGINEERING / DOWNER**

## QUEENSLAND RAIL NORTH COAST LINE – TIMBER BRIDGE ELIMINATIONS



**DEPARTMENT OF INNOVATION, INDUSTRY AND SCIENCE**

## **TELESCOPE INFRASTRUCTURE REFURBISHMENT**

<b>PROJECT VALUE</b>	\$0.6M
<b>COMPLETION</b>	2017
<b>LOCATION</b>	Coonabarabran, NSW

Refurbishment of AAO Telescope Bogies. Largest optical telescope in Australia, refurbish and rebuild bogies due to vibration. Bogies required removal, replacing bearings and re-fit while ensuring alignment. High risk project where reliability and consistency were critical. At the end of each day throughout the entire project the telescope needed to be fully operational for researchers.

<b>PROJECT VALUE</b>	\$0.25M
<b>COMPLETION</b>	2016
<b>LOCATION</b>	Brisbane, QLD

Queensland Rail's Merivale Bridge Maintenance Gantry, Brisbane QLD Australia. Supply, fabrication, installation and fit out of electric control system for self-propelled maintenance platform under the Merivale Rail Bridge across Brisbane River.



**QUEENSLAND RAIL**

## **CENTRAL SCAFFOLDING – MERIVALE BRIDGE MAINTENANCE GANTRY**





## THYSSENKRUPP INDUSTRIAL SOLUTIONS AUSTRALIA MILL STACK MANUFACTURING

<b>PROJECT VALUE</b>	\$0.4M
<b>COMPLETION</b>	2017
<b>LOCATION</b>	Springmount, Far North Queensland

Fabrication and supply of 38M high x 2.58M diameter mill stack supplied to project in Springmount, Far North Queensland.

<b>PROJECT DETAILS</b>	Ongoing Maintenance
<b>LOCATION</b>	North Queensland

Approved local repairer for ballistic armour on the Australian Defence Force Main Battle Tanks.



## AUSTRALIAN DEFENCE FORCE BATTLE TANKS BALISTICS ARMOUR MAINTENANCE





AUSTRALIAN DEFENCE FORCE

**LAND 400 ARMoured VEHICLES  
PROJECT**

<b>PROJECT DETAILS</b>	Supply Chain Manufacturing
<b>LOCATION</b>	National

Down-selected as supply chain partners by both major Defence Primes in the Land400 project delivering armoured vehicles to the Australian Defence Force.

<b>PROJECT DETAILS</b>	Specialised Mining Equipment
<b>LOCATION</b>	International

Providing cost effective, efficient trommel screening solutions to mining operations in all populated continents either directly or through our licenced partner network for over 20 years.



MINING INDUSTRY

**GLOBAL MINING AND RESOURCES  
INDUSTRY**



# TEi

**IMAGINE  
INNOVATE  
CREATE**

**TEi Services have provided quality engineering solutions for over 50 years.**

## 50 YEARS

ENGINEERED SOLUTIONS

**14/08/1968**

GEA Trading Incorporated is named by Tony Rock, WWII Canadian Naval Engineer.

Hard Rock Mining  
Manufacturing Steel  
Trommels

**17/01/1990**

GEA Trading changed its name to Townsville Engineering Industries



Car  
Bri  
Gir  
Pro

**1968**

**1976**

**1984**

**1990's**

**1996**

**1999-2001**

**2001**

**2002**

Sugar  
Wagons  
Rolling Stock

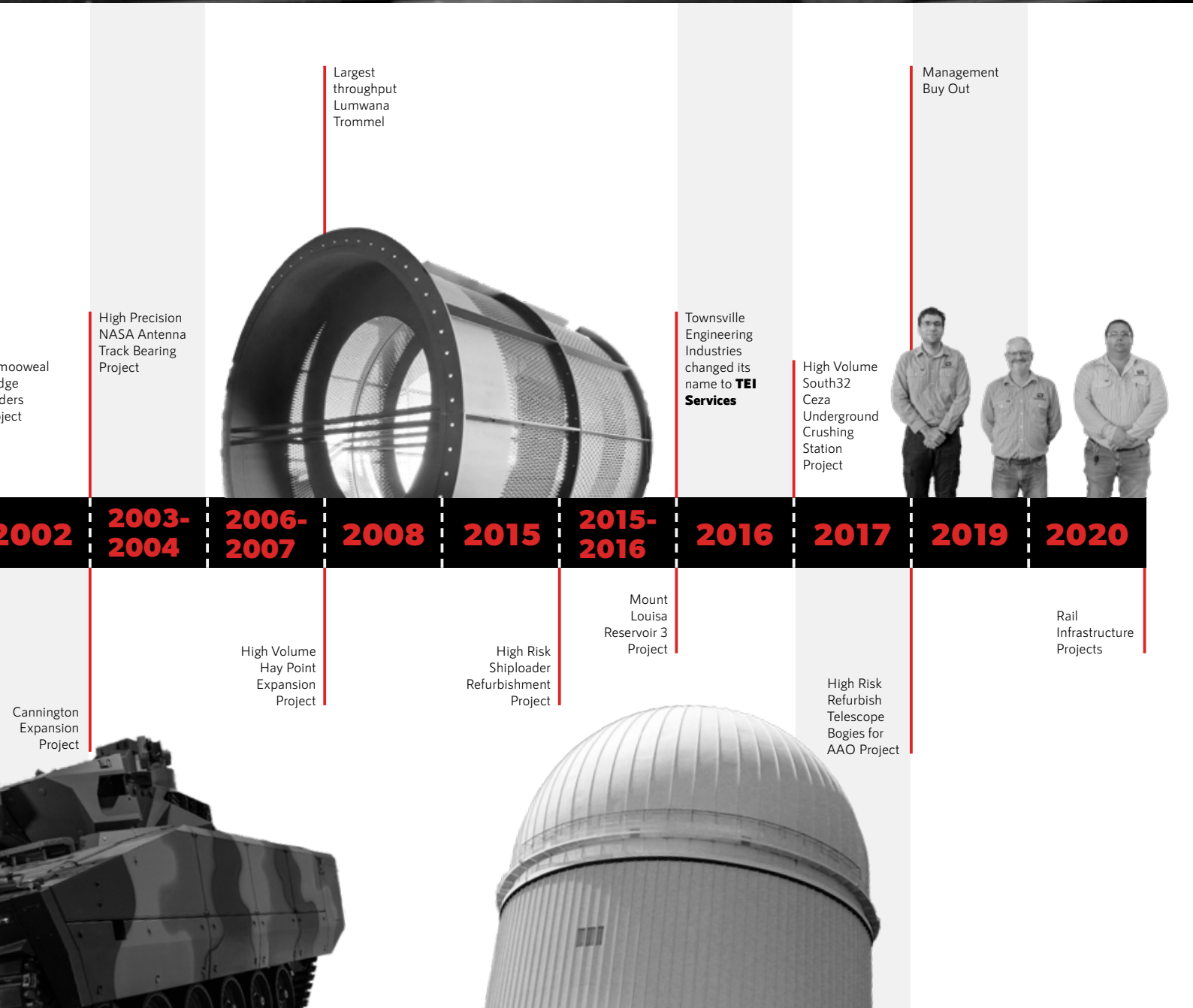
Cane  
Harvesters

New  
Company  
Ownership.  
Directors:  
K.B.Carter  
B.G.Byrnes

Townsville  
Hospital  
Redevelopment  
Project

First TEi  
Trommel  
into Africa











## **BUILDING OUR LEGACY**

**TEi Services** was established in a regional community and has grown with the support of our local community.

**We continue to build long-lasting, trusted relationships with regional communities by supporting initiatives that help local people thrive.**

**Recent charitable contributions include:**

- ✓ **Ronald McDonald House**
- ✓ **Pyjama Foundation**
- ✓ **Townsville Highland Dancing Incorporation**
- ✓ **Townsville Turf Club**
- ✓ **Aqua Squids Junior Netball Team**
- ✓ **Townsville Hockey Association**
- ✓ **Amadeus Youth Choir**





# IMAGINE.INNOVATE.CREATE

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