

Company Profile

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2025/6



V1.0



titeforce
LEADING TORQUE & TENSION TECH.

+27 87 460 0016



Our focus in the world of controlled bolting is the support to key industrial stakeholders through reliable, expedient supply and service of critical torque and tension solutions.

Allen Mayer
CEO & FOUNDER

A focus on Controlled Bolting

titeforce
LEADING TORQUE & TENSION TECH.

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VISIT [TITEFORCE.COM](https://www.titeforce.com)

[titeforce.com](https://www.titeforce.com)

Company Introduction



TFE Group instills the Three Pillars of bolted joint integrity vital to a safe, complete and accountable joint solution.

- 1. Calibrated Tooling
- 2. Certified Operators
- 3. Standard Compliance



Titeforce offers futuristic torque and tensioning technology across multiple industrial sectors on the African Continent.

By undertaking to supply and service only world leading brands, we have built our business offering the world's best bolt tightening machinery and equipment. We have developed the most modern and versatile torque, tension and lifting operation across Africa.

Titeforce, with the support and development of master distribution agreements, are the sole importer for seven of the world's largest bolting solutions and heavy lifting manufacturers originating from North America, United Kingdom, Asia, and Australia.

With the backing of experience and technical skills, Titeforce offers bespoke and comprehensive services in sales, design and services ensuring a complete bolt tightening solution to its long term customers.

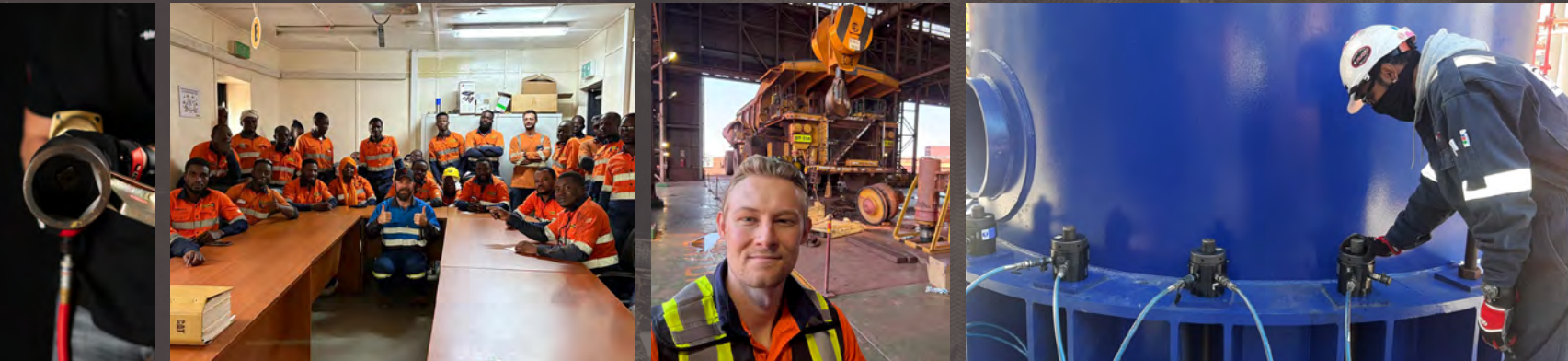


Professional Services

Joint integrity is paramount to the function and longevity of bolted joints, especially on pipelines and super structures where industry standards are adhered to for both optimal functionality and safety.

The industrial boom across Africa in recent decades has seen an increased demand for specialised technicians and tooling across the industrialised and remote areas of the continent. At Titeforce we offer sales advice and after sales technical support.

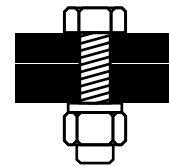
By undertaking to supply and service only world leading brands, we have built our business upon the world's best machinery and equipment. We have developed the most modern and versatile torque, tension and lifting operation in Africa.



TECHNICAL SERVICES

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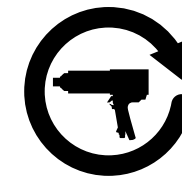
Approved Repair, Service and Calibration Centre. Titeforce has been approved as an Original Equipment Manufacturer (OEM) service and repair centre for all core products, sourcing our parts only from the factory directly.



CONTROLLED BOLTING

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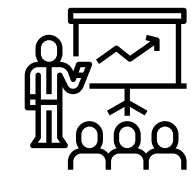
Offering a range of technical consulting and bolt tightening services, the Engineering and Service team at Titeforce offer complete project management, audit surveys and failure analysis relating to all mechanical bolted joints.



TORQUE RENTAL

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All markets and service contractors have different needs. By offering a short to medium term rental solution, Titeforce opens opportunity to clientele wanting to use operational budgets or where outright purchase is not feasible to the project scope.



ACCREDITED TRAINING

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The Titeforce training academy and development team offers bespoke training modules tailored to the clients specific needs and industry accreditation requirements.

- a. Oil & Gas Sector
- b. Mining Sector
- c. Renewable Training

Our Industries

Specialised Torque, Tensioning, and Lifting Solutions for Critical Operations across a wide range of industries on a large continental footprint.

From mining and OTR to oil & gas, offshore, energy, and renewables, Titeforce delivers OEM torque tools, hydraulic tensioners, and lifting solutions backed by expert service and local support—ensuring safe, reliable, and efficient operations across every sector.

MINING

Titeforce supports Africa's mining industry with precision torque tools, hydraulic tensioners, and lifting solutions. From ball mills and crushers to vibrating screens and process plants, we provide reliable OEM equipment, expert service, and local support to ensure safe, efficient, and cost-effective operations.

OIL & GAS

Titeforce delivers precision torque tools, hydraulic tensioners, and lifting solutions to the Oil & Gas sector, supporting both onshore and offshore operations. With OEM equipment, certified training, and expert service, we ensure safe, reliable, and efficient bolting and maintenance in this high-demand industry.

OFFSHORE

Titeforce supports the offshore sector with high-performance torque tools, hydraulic tensioners, and lifting equipment built for demanding marine environments. Backed by OEM partnerships and expert service, we provide reliable solutions that ensure safety, precision, and efficiency for offshore operations.

OTR

Titeforce provides the OTR industry with advanced torque tooling, hydraulic tensioners, and lifting solutions designed for large earthmoving and haul truck maintenance. Our OEM equipment and expert service ensure safe, precise, and efficient wheel and component handling, reducing downtime and increasing productivity on site.

ENERGY

Titeforce supports the power generation sector with precision torque tools, hydraulic tensioners, and lifting solutions designed for turbines, generators, and critical plant equipment. Our OEM products and expert service ensure safe, reliable, and efficient maintenance in power plants, reducing downtime and keeping operations running at peak performance.

RENEWABLES

Titeforce provides the renewable energy sector with advanced torque tooling, hydraulic tensioners, and lifting solutions tailored for wind and solar projects. From turbine installation to ongoing maintenance, our OEM equipment and expert service ensure safe, precise, and efficient operations that keep renewable power generation reliable.

Across the World



AFRICA FOCUSED

Titeforce supports industries across Africa with precision tooling, hydraulic solutions, and turnkey bolting services. Our focus is on safety, reliability, and efficiency, backed by expert training and local support.



GLOBAL REACH

Titeforce delivers precision tooling, hydraulic solutions, and bolting services worldwide, supported by international offices and expert teams to ensure reliable, efficient, and safe operations wherever our customers are.



DISTRIBUTOR NETWORK

Titeforce works with a trusted network of distributors across Africa and beyond, providing local access to precision tooling, hydraulic solutions, and expert support to ensure efficient and reliable operations.



The Company

Titeforce has long established distributor agreements with the most respected and innovative bolt tightening equipment manufacturers in the world.

Titeforce strive to source directly from the factory to ensure engineering quality, inclusion in feedback and development and competitive pricing to the local markets.

Following a solutions-based approach, Titeforce offer not only the sales of world leading bolt tightening solutions, but the technical support and services to a complete turn-key client solutions.



Approved Repair, Service and Calibration Centre.

Titeforce has been approved as an Original Equipment Manufacturer (OEM) service and repair centre for all core products, sourcing our parts only from the factory directly.



GET IN TOUCH WITH OUR TEAM
FOR MORE INFORMATION ON
SERVICE AND REPAIRS





AFRICA
POWERED BY TITEFORCE

Regarded as the leader in the high torque planetary gearbox torque multiplier sector, New World Technologies (NWT) are in-house designers and fabricators of the RAD Torque Systems range.

Based in British Columbia, Canada, NWT produce over 7,000 tools per year having shipped 53,530 tool kits over the past 10 years. Projections see tools out the door increasing to 9,000 units with the recent move to a larger manufacturing facility with a far higher production rate.

Battery Torque

Pneumatic Torque Wrenches

Battery Torque Wrenches

Electric Torque Wrenches

Electronic Torque Wrenches

Calibration / Audit Equipment

Safety Accessories

Accessories



Battery Torque

B-RAD Battery Torque Wrench Series

Torque Range:

Minimum Torque: 176 Nm

Maximum Torque: 15,000 Nm

Key Specifications:

- Repeatability: $\pm 2\%$
- Battery Type: Lithium-ion
- Drive Sizes: 3/4", 1", 1-1/2"
- Display: Digital with adjustable torque settings



SCAN TO VIEW
RAD TOOLS

Electronic Torque

E-RAD BLU Electric Torque Wrench

Torque Range:

Minimum Torque: 135 Nm

Maximum Torque: 15,000 Nm

The E-RAD BLU is a high-precision electric torque wrench designed for heavy-duty applications, offering advanced features like Bluetooth connectivity and data logging.

Key Specifications:

- Accuracy: $\pm 2.8\%$
- Speed: 4 - 20 RPM
- Features: Bluetooth, data logging, torque/angle measurement, advanced bolting control
- Includes: Console module with digital readout





AFRICA
POWERED BY TITEFORCE

Pneumatic Torque

RAD Pneumatic Torque Wrench

Torque Range:

Minimum Torque: 70 Nm

Maximum Torque: 15,000 Nm

RAD Pneumatic Torque Wrenches are non-impacting, reversible tools designed for high-torque applications, providing smooth and controlled tightening.

Key Specifications:

- Speed: Up to 80 RPM
- Features: Non-impacting design, high accuracy, ergonomic handle
- Applications: Heavy-duty bolting in mining, oil & gas, and construction



OTR (Off-The-Road) Torque Wrench

Torque Range:

Minimum Torque: 70 Nm

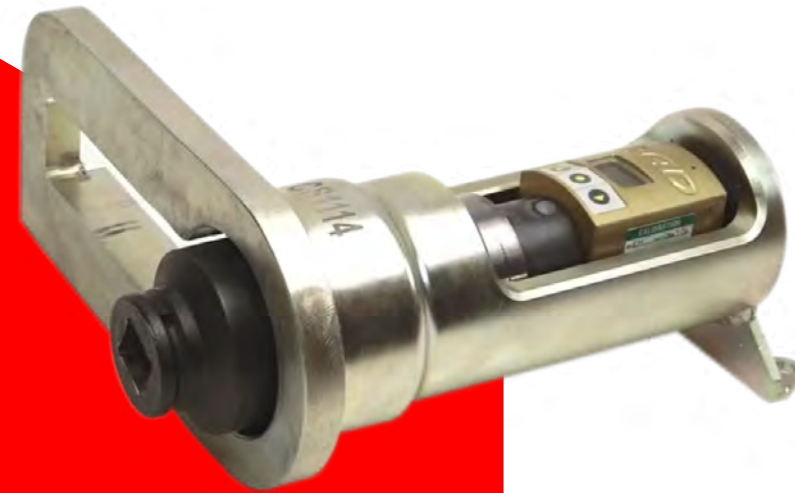
Maximum Torque: 15000 Nm

RAD Pneumatic Torque Wrenches are non-impacting, reversible tools designed for high-torque applications, providing smooth and controlled tightening.

Key Specifications:

- Speed: Up to 80 RPM
- Features: Non-impacting design, high accuracy, ergonomic handle
- Applications: Heavy-duty bolting in mining, and construction

Auditing Equipment



RAD Transducer Bench (Torque Calibration Bench)

Torque Range:

Maximum Torque: 28,000 Nm

The Transducer Bench is a calibration tool used to test and calibrate torque wrenches, ensuring their accuracy and reliability.

Key Specifications:

- Accuracy: $\pm 0.25\%$
- Features: Bench-mounted design, suitable for electric and pneumatic torque wrenches
- Applications: Calibration of torque tools in production and maintenance environments

Smart Calibration

RAD Smart Socket

Torque Range:

Minimum Torque: 270 Nm

Maximum Torque: 24,000 Nm

The RAD Smart Socket is a precision tool that measures and displays peak torque directly on the bolt, ensuring accurate and reliable torque application.

Key Specifications:

- Accuracy: $\pm 1\%$
- Features: Bluetooth connectivity, data logging, rechargeable battery, "Pass" or "Fail" indication
- Applications: Critical bolting applications requiring high precision





Built in America from the ground up, Industrial Bolting Technologies (IBT) are the designers and manufacturers of the TorsionX Hydraulic Torque range of bolt tightening equipment and associated hydraulic pumps.

The TorsionX range are made from raw billet to final tool completely in the IBT factory located in West Virginia, USA. Having received multiple business and manufacturing awards from the Governor of Charleston and state of West Virginia, IBT are a pillar both in their local community and the hydraulic bolt tightening global solutions market.

Hydraulic Torque Wrenches

Hydraulic Torque Pumps



SCAN TO VIEW
TORSIONX TOOLS



Hydraulic Torque Wrenches

Torque Range:

Minimum Torque: 86 Nm

Maximum Torque: 25,000 Nm

The HexPro is a compact, flat-profile hydraulic torque wrench designed for tight access and precision bolting.

Key Specifications:

- Low-profile design for restricted areas
- High-strength alloy construction for durability
- Interchangeable hex links for versatility
- Accuracy within $\pm 3\%$
- Ideal for flange bolting and confined space work



Hydraulic Torque Wrenches

Torque Range:

Minimum Torque: 220 Nm

Maximum Torque: 39,130 Nm

The MaxDrv is a versatile square-drive hydraulic torque wrench built for reliability and heavy-duty applications.

Key Specifications:

- Compact Design/Uni-body Housing
- Multi-Directional Swivel Assembly
- 1 Year Warranty
- Anti-Jam Torque Release Lever
- Best in Industry Strength-To-Weight Ratio



Hydraulic Torque Wrenches

The PwrPax is a compact, high-efficiency hydraulic pump system designed to power TorsionX torque wrenches.

Key Specifications:

- Lightweight and portable design
- Quiet, efficient operation
- Electric or pneumatic driven options
- Adjustable pressure for precise torque control
- Built for continuous duty in demanding environments

DURAPAC

ENGINEERED FOR RELIABILITY

Focused solely on the specialised heavy lifting of mine vehicles, Durapac offers the world's safest and most advanced hydraulic lifting jacks custom designed for heavy haul dump trucks and dozers.

Designed in conjunction with Rio Tinto, the Safe-D-Lock jack by Durapac meets and exceeds all current safety ratings and user ergonomics making it a one of a kind, safe lifting solution to the mining and associated services.

Hydraulic JACKS

Hydraulic Track Link Pin Pushers

Hydraulic Cylinders

Hydraulic Jack



Durapac Hydraulic Truck Jack

Capacity: 70 - 200 tons

The Durapac Hydraulic Truck Jack is engineered for lifting the largest mining and OTR trucks, built for maximum safety and durability in extreme conditions.

Key Specifications:

- Ultra-high lifting capacity for haul trucks and heavy machinery
- Rugged design for mining and industrial environments
- Safety valves prevent overloading
- Compact, mobile design for on-site servicing

SCAN TO VIEW
DURAPAC TOOLS



Hydraulic Track Link Pin Pusher



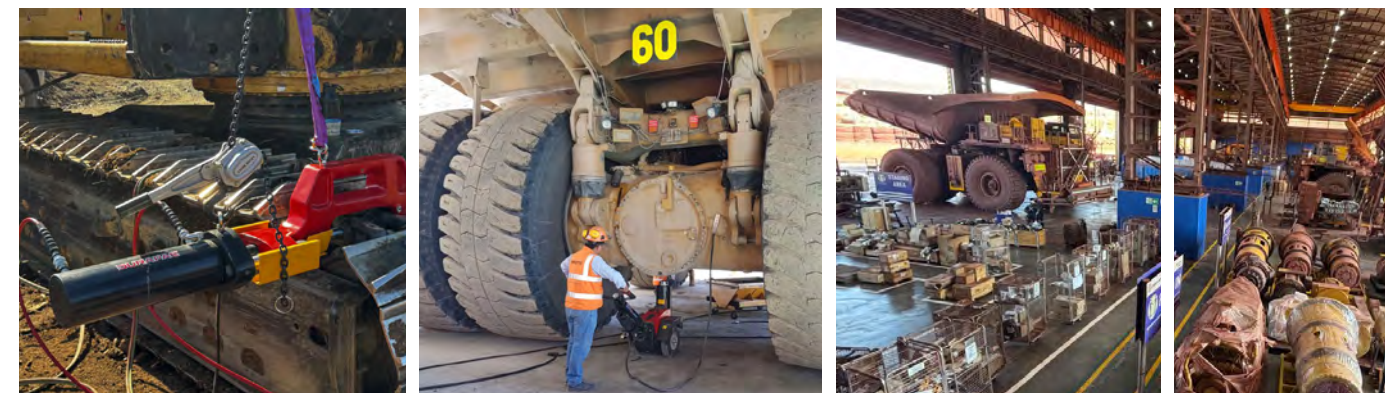
Durapac Hydraulic Track Pin Pusher

Capacity: 50 - 200 tons

The Durapac Hydraulic Track Pin Pusher provides a safe and efficient solution for removing and installing track pins on heavy equipment.

Key Specifications:

- Heavy-duty hydraulic system delivering powerful pushing force
- Eliminates unsafe hammering or heating methods
- Portable and easy to operate on-site
- Reduces downtime on maintenance jobs



tensionpro

THE BOLT TENSIONER EXPERTS

TensionPro is a globally recognized brand offering cutting-edge hydraulic bolt tensioning systems designed to optimize safety, accuracy, and efficiency across a variety of industries. Whether for critical bolting applications in oil & gas, renewable energy, power generation, or heavy construction, TensionPro tools deliver unmatched performance and reliability.

TensionPro's hydraulic bolt tensioners deliver unparalleled performance for critical bolting tasks:

- Designed for fast and accurate tensioning of bolts and flanges.
- Built for use across a wide range of industries and applications.
- Precision-engineered to ensure consistent results.

Standard Tensioners

Hydraulic Base Foundation Tensioners

Sonar Ultrasonic Measurement

Hydraulic Nuts



Standard Tensioners

Engineered by TensionPro for precision, reliability, and durability, the HTS range delivers fast and accurate bolt tensioning for critical applications in oil & gas, power generation, and heavy industry.

Size range: M20-M100 (custom sizes available)
Stroke: 10-30 mm (model dependent)

Key Features:

- Working pressure: 1,500 bar
- Compact, lightweight, and easy to use
- High load capacity and repeatable accuracy
- Quick-release puller for rapid setup
- Corrosion-resistant finish for long service life

Hydraulic Base Foundation Tensioners

Precise preload on heavy foundation bolts.
Capacity: Up to 2,500 kN (≈ 250 tons)

Key Features:

- High-load capacity
- compact design
- multi-bolt tensioning
- reduces fatigue risk.



Sonar Measurement

Real-time bolt load monitoring with ultrasonic precision.
Capacity: Bolts M20-M100

Key Features:

- Measures bolt elongation
- Reduces over/under-tightening
- Enhances safety



Hydraulic Nuts

Precise preload on heavy bolts.
Capacity: Up to 2,500 kN (≈ 250 tons)

Key Features:

- Friction-free tensioning
- Reusable and Compact
- Quick hydraulic operation



SCAN TO VIEW
TENSIONPRO
TOOLS



titeforce®

At Titeforce, we pride ourselves on delivering cutting-edge hydraulic equipment designed to meet the demands of industries like oil & gas, mining, renewable energy, and heavy construction. With decades of expertise and a reputation for reliability, our products are engineered to ensure maximum efficiency, precision, and safety in bolted joint applications.

Hydraulic Torque Wrenches

Low Clearance Hydraulic Torque Wrenches



Low Clearance (HEX. Drive) Hydraulic Torque Wrench LPC Pro Series / LPT Series

Torque Range:

Minimum Torque: 220 Nm
Maximum Torque: 39,130 Nm

Key Specifications:

- Hex Sizes: M12 – M64
- Models: 2 LPC Pro, 4 LPC Pro, 8 LPC Pro, 14 LPC Pro, 30 LPC Pro
- Design: Low-profile, multi-directional swivel assembly
- Applications: Suitable for turbines, pumps, and flanged joints



Hydraulic Torque Wrench (Square Drive)

SD Pro Series/SDT Series

Torque Range:

Minimum Torque: 86 Nm
Maximum Torque: 25,009 Nm

High-torque, precision hydraulic wrenches for heavy-duty bolting applications.

Key Specifications:

- Models: 07-SDPro, 1-SDPro, 3-SDPro, 5-SDPro, 8-SDPro, 10-SDPro, 20-SDPro, 25-SDPro, 35-SDPro, 50-SDPro Design: Compact, uni-body housing with multi-directional swivel assembly
- Applications: Ideal for mining, oil & gas, and industrial applications



INDUSTRY SOLUTIONS: **MINING**

Heavy-Duty Torque Tools for the Mining Industry – Precision, Power & Durability

For the mining industry, Titeforce supplies a full range of precision torque and lifting solutions to keep crushers, mills, conveyors, and screens running safely and efficiently.

Hydraulic Torque Wrenches:

RAD Torque Gun

Hydraulic Tensioners:

Hydraulic Lifting & Jacks:

Specialized Torque Tools: Our range of torque tools from RAD, TorsionX, and TensionPro are designed for heavy-duty mining applications. Hydraulic Solutions: Durapac hydraulic lifting cylinders and tools for robust and efficient operations. Tailored Offerings: Customized solutions to enhance productivity and safety in mining operations.



Accessories & Support:

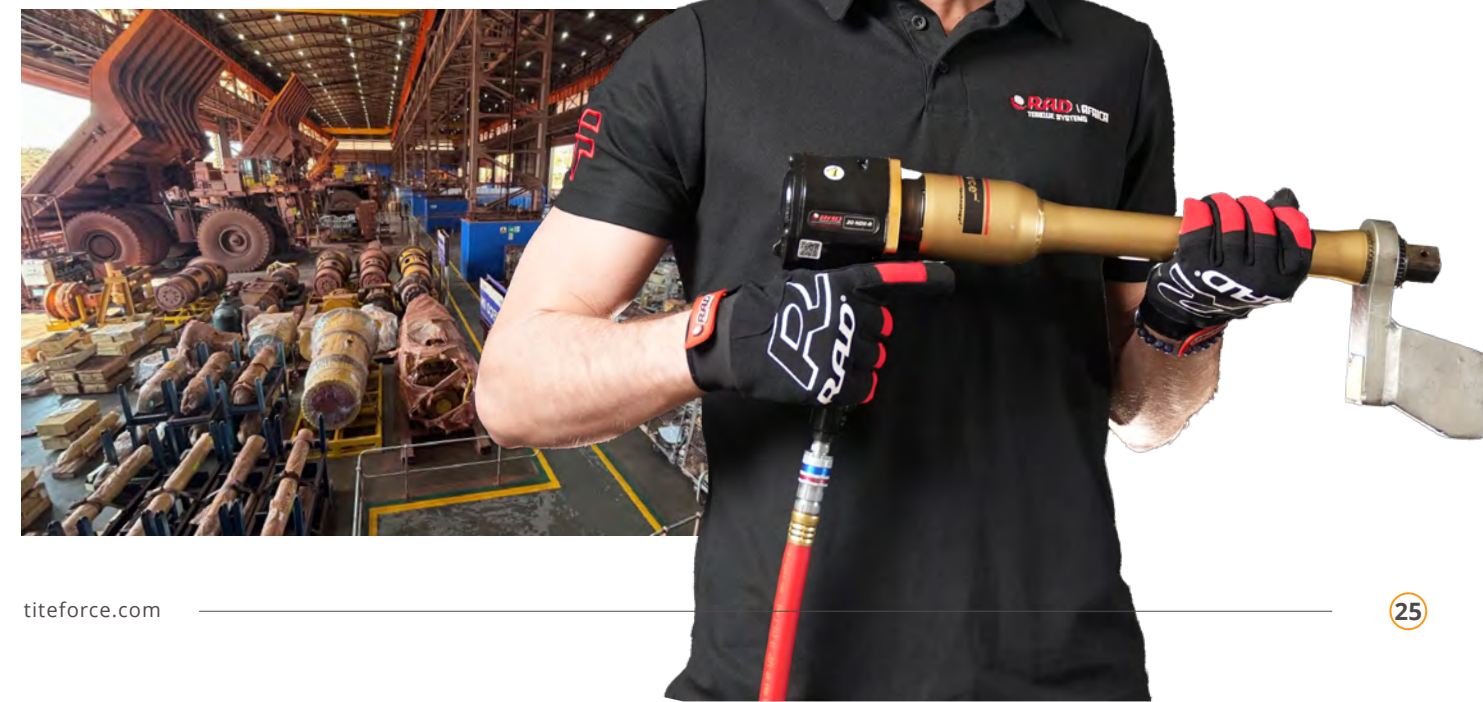
Reaction Arms

Pumps

Hoses

Calibration Tools

With Titeforce, RAD, TorsionX, TensionPro, and Durapac, mining operations get reliable, high-performance tooling for maximum uptime and safety.





INDUSTRY
SOLUTIONS:

OIL & GAS

Industry-leading torque tools that meet the rigorous demands of the Oil and Gas industries.

In the Oil and Gas sector, where safety and efficiency are paramount, Titeforce offers a range of specialized torque tools and services designed to enhance operational performance and integrity.



The Oil & Gas industry demands high-precision, reliable bolting and lifting solutions for pipelines, refineries, offshore platforms, and processing plants. Titeforce supplies a complete range of tooling designed for these critical applications.

- Hydraulic Torque Wrenches:**
- RAD Torque GUN (B-RAD and Pneumatic)**
- Hydraulic Nut Tensioners**
- Hydraulic Lifting & Jacks**

- Accessories & Support:**
- Reaction Arms**
 - Pumps**
 - Hoses**
 - Link Kits**
 - Calibration Devices**

With Titeforce, RAD, TorsionX, TensionPro, and Durapac, Oil & Gas operators get the precision, safety, and reliability needed for high-stakes bolting operations.



INDUSTRY SOLUTIONS: **ENERGY**

Powering Progress: Titeforce's Solutions for the Energy Sector

Supporting Power Generation Across Africa

Power generation and energy facilities require precise, reliable bolting and lifting solutions for turbines, generators, and heavy infrastructure. Titeforce supplies a comprehensive range of tools for these demanding applications.



Hydraulic Torque Wrenches: **RAD Torque GUN (B-RAD X & E-RAD BLU)**

Hydraulic Nut Tensioners:

Hydraulic Lifting & Jacks:

Accessories & Support:

Reaction Arms

Pumps

Hoses

Link Kits

Calibration Devices



Renewable Energy & Wind Power Solutions

With extensive experience in thermal, hydro, nuclear, and renewable energy, we supply specialized torque and tensioning equipment designed to enhance safety and operational efficiency.



Local Presence, Global Expertise

With offices in South Africa (Durban, Cape Town, Johannesburg) and the UK (Southampton), Titeforce provides localized support with a dedicated team of engineers, trained bolting technicians, and rental solutions.

Partner with Titeforce for innovative bolting solutions that power the future. Contact us today to discuss how we can support your energy projects!

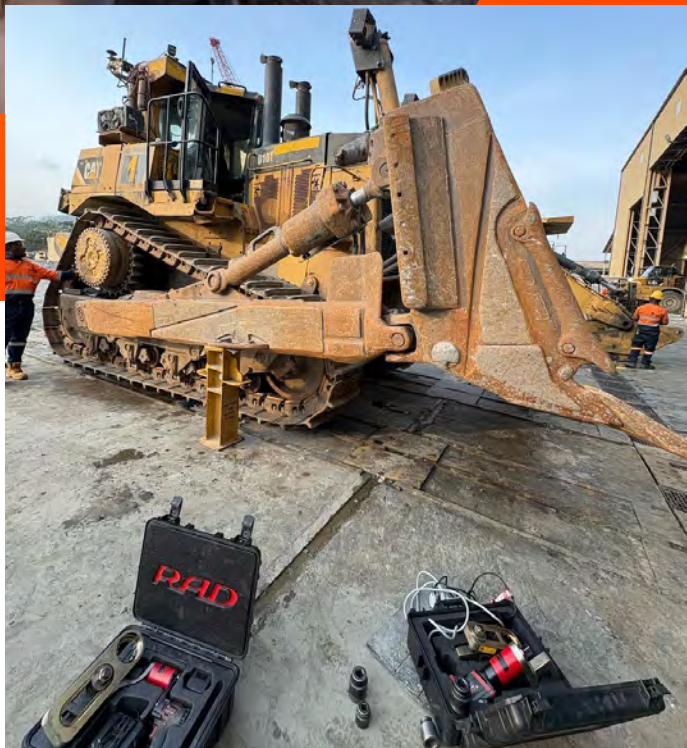


INDUSTRY
SOLUTIONS:

OTR

(OFF THE ROAD)

**Torque and Tension
Solutions for OTR (Off-
the-Road) Industry**



RAD Battery Torque Tools

B-RAD S (Battery with Transducer): Offers torque ranges from 135 Nm up to 7,000 Nm, depending on model, with torque + angle control and Bluetooth data logging. Real-time torque feedback on the bolt.

B-RAD X: The most powerful battery torque tool available via Titeforce, delivering up to 11,000 ft-lbs (≈ 15,000 Nm) — ideal for high-capacity OTR bolting tasks.



RAD OTR | Wheel Nut Torque Tools

Designed specifically for haul trucks and extreme-duty OTR vehicles 50- 3400Nm.

Designed specifically for haul trucks and extreme-duty OTR vehicles 50- 3400Nm. Built for high-accuracy wheel nut bolting in challenging environments. Features planetary gear torque wrenches with vibration-free operation, plus nose extensions (-R) and NX Kits for reaching recessed wheel studs.



Durapac TTP Series – Track Link Pin Pushers

Designed specifically for haul trucks and extreme-duty OTR vehicles 50- 3400Nm.

Heavy-duty hydraulic pin pushers for track machines. Models include:

- TTP-50 – 50 ton capacity
- TTP-100 – 100 ton
- TTP-150 – 150 ton
- TTP-200 – 200 ton

Features double-acting cylinders, smooth operation, portability, and durable construction.

- Durapac SDL Jack
- 50-200 Ton



INDUSTRY SOLUTIONS:

RENEWABLES

Powering Progress: Titeforce's Solutions for the Energy Sector

Supporting Power Generation Across Africa

Power generation and energy facilities require precise, reliable bolting and lifting solutions for turbines, generators, and heavy infrastructure. Titeforce supplies a comprehensive range of tools for these demanding applications:



E-RAD BLU Electronic Torque Wrench

E-RAD BLU ensures fast, reliable, and digitally traceable bolting for precise turbine assembly and maintenance.

Lightweight, pistol-grip electronic wrench ideal for high-precision bolting in wind turbines and solar installations.

Torque range: 135 - 15,000 Nm; ± 3 % accuracy; comes complete with reaction arm, controller, data logging, and calibration Accessories.

B-RAD X Battery Torque Wrench

B-RAD X combines cordless freedom with ultra-high torque—perfect for demanding bolting applications in renewable infrastructure.

The most powerful cordless torque tool in Titeforce's range—ideal for high-capacity flanged connections in renewable projects

Offers up to 11,000 ft-lbs ($\approx 15,000$ Nm) torque—the highest battery tool capacity available.

Hydraulic Tensioners TensionPro | Base Series

Base series tensioners are designed to meet specific requirements for tightening foundation bolts. They are versatile and reliable hydraulic bolt tensioners suitable for high load, tight space applications, and for variable and extended stud protrusions often relevant to wind turbine foundation bolt applications.

Optimised for use on wind turbines they have been designed for long-life, low-maintenance use, and are suitable for use on single bolts, or grouped together for multiple tightening of bolted joints.

Hydraulic Tensioners TensionPro | Base Series

Duo and Mono series multi-stage tensioners are versatile and reliable hydraulic bolt tensioners suitable for high load and tight space applications. Duo tools feature multiple hydraulic stages to give a small tool diameter to fit into tight radial spaces. Mono tools feature low height profile to use when there are overhead obstructions.

Optimised for use on wind turbines they have been designed for long-life, low-maintenance use and are suitable for use on single bolts, or grouped together for multiple tightening of bolted joints. Duo and Mono tensioners are extensively used for slewing rings, powergen applications, structural and all critical bolting.



INDUSTRY SOLUTIONS: **MILLING**

Torque solutions for the sugar, paper and industrial milling businesses.



INDUSTRY SOLUTIONS: **RAIL**

Precision tooling keeps the railway industry on track.

Titeforce offers a specialized range of tooling solutions for the rail industry, including the B-RAD SELECT Rail GUN, a lightweight battery torque wrench with a torque range of 175–1,400 Nm, $\pm 4\%$ accuracy, and integrated LED lighting for ease of use on-site.

Complementing this is the E-RAD BLU S electronic torque wrench, providing precise, digitally controlled repeatability for rail components.

For lifting and track work, the DRJ-10 Rail Jack delivers a 100-ton capacity with a durable forged aluminum design, making it ideal for sleeper applications.

Additional hydraulic torque wrenches and hydraulic lifting jacks are also available, ensuring a complete suite of solutions for rail maintenance and assembly needs.



Get In Touch With Us

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Titeforce is a dynamic company with one goal in mind; acquiring the safest most efficient state-of-the-art Torque Tools, equipment and technology at a competitive price. As a result, Titeforce has partnered with the world's leading companies to provide our clients with risk free, time saving solutions to their industry's challenges. All companies associated with Titeforce are internationally accredited to world industrial standards. Titeforce - top talent, the world's finest equipment and sound management.



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