

IRONMAN 4x4 MIDDLE EAST FZCO **COMPLETE VEHICLE SOLUTIONS**



Ironman 4x4... A Global Brand

Ironman 4x4 is a world leader in the design and supply of 4x4 accessories for the defence industry, aid & development, fleet & mining vehicles and recreational users in more than 160 countries.

Now based in Dubai, Ironman 4x4 Middle East FZCO is uniquely placed to deliver outstanding products and service to customers in the Middle East and North Africa.

For over 60 years, 4x4 owners have put their trust in our products because Ironman 4x4 delivers the highest quality custom solutions.



Dubai Facility, Ras Al Khor



Middle East Export Facility, Jebel Ali Free Zone



Our History

Günter Jacob commenced business in 1958 as a Melbourne based suspension parts manufacturer - Jacob Spring Works. Today, the Ironman 4x4 Brand continues to be fully Australian owned by the Jacob family.

In 1982, the company took shape as JSW Parts, designing and supplying leaf and coil springs for 4x4 vehicles, trucks, buses and trailers.

Shortly after, Ironman 4x4 became well known as a quality manufacturer and supplier of suspension parts for 4x4 vehicles all around the world.

Headquartered in Australia, Ironman 4x4 operates free three global hubs in the United Arab Emirates, South Africa and Thailand.

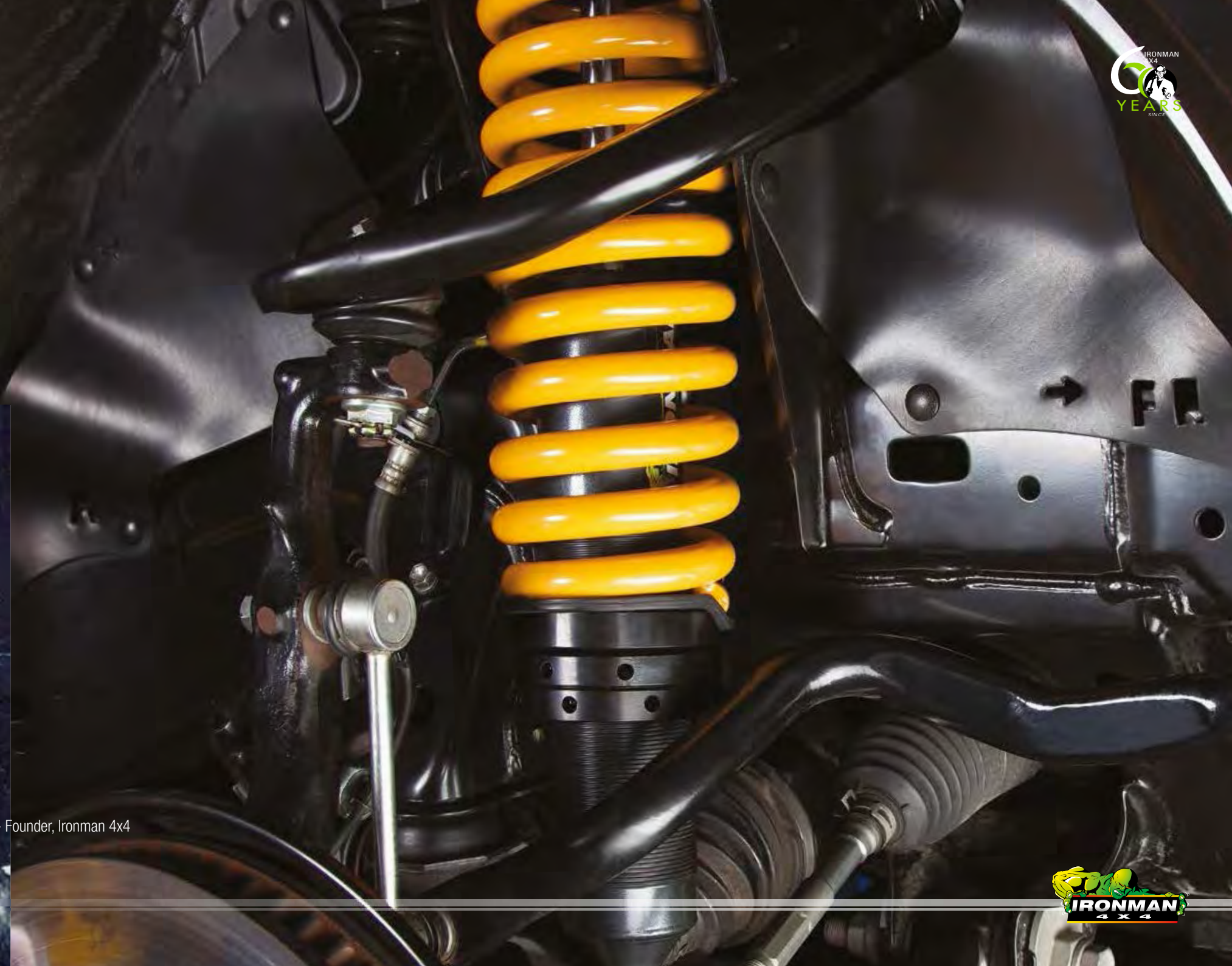
With 5000 different products, Ironman 4x4 employs more than 300 staff and are Australia's leader in the export of fleet & mining, military/aid & development, and recreational 4x4 accessories.

A large fleet of more than 100 new vehicles allows for the continual development and engineering of products for the Australian and global 4x4 markets.

Head Office - Melbourne, Australia



Mr. Günter Jacob - Founder, Ironman 4x4



Today in the Middle East

The Middle East and North Africa (MENA), accounts for 69% of the world's oil reserves and 47% of natural gas resources as well as a combined population of nearly 400 million people in more than 20 countries.

Ironman 4x4 Middle East established its operations recognising that the United Arab Emirates has become the regional hub for the export of 4x4 vehicles for the entire Middle East.

As a result, the UAE has become the key destination for vehicles requiring accessories and modification prior to re-export throughout the MENA.

To further support the needs of clients, Ironman 4x4 has two unique facilities in the Jebel Ali Free Zone and Ras Al Khor.

This enables Ironman 4x4 Middle East to service clients both inside the free zone and in Dubai

Both facilities are certified ISO9000 approved and draw on more than 20 years' experience in designing complete vehicle solutions.

Ironman 4x4 Middle East operations offer the following one stop services:

- Customized Fabrication
- Ambulance Bodies and Fit Out
- Auto Paint Facility
- Internal Vehicle Fit Out
- Vehicle Pre Delivery and Accessory Fitment
- Accessory Logistics and Distribution



One Stop Solutions



Customized Fabrication

State of the art technology allows Ironman 4x4 to develop everything from underbody protection, replacement bumpers to complex roll-over systems.



Auto Paint Facility

Our Italian Thermo Meccanica paint booths are designed to minimize down time and offer premium results.

Ironman 4x4 auto body and custom auto paint technicians use top of the line paints and finishes.



Ambulance Bodies and Fit Out

Ironman 4x4 Middle East can offer ambulance builds to suit most 4x4 vehicles or vans. Our ambulance upgrades are renowned for their off-road ability and reliability and can be built with support equipment.



Internal Vehicle Fit Out

Ironman 4x4 Middle East offers full interior fit out including seat upholstery and storage construction.

Our team can provide all types of storage solutions, including cargo barriers and drawer systems, cutting in windows and cargo false floors.



Vehicle Pre Delivery and Accessory Fitment

Our vehicle processing centre is capable and competent to fit accessories as required, ensuring that all vehicles meet compliance regulations and build requirements.

This includes four wheel alignment and brake testing.



Complete Vehicle Solutions

Our Core Markets

1



Fleet

2



Defence

3



Armoring

4



**Aid and
Development**

5



Mining

6



Recreation

Complete Vehicle Solutions

Fleet Safety Equipment and Asset Care

Ironman 4x4 offer a full range of high quality safety and protection equipment for the construction and mining sectors. Complete fleet accessories from certified Roll Over Protection Systems (ROPS) to tray bodies and communication equipment - all can be designed, supplied and fitted for your individual needs or completely customised to meet company and fleet business requirements.

Our products are used around the world by mining organisations such as BHP, Rio Tinto and UNHCR. These companies demand the highest quality products to avoid downtime which affects productivity and costs money.

Defence forces in Iraq and Afghanistan through to the United Nations and Police Forces around the world have all come to rely heavily on Ironman 4x4 suspension and individually customised accessories.



Complete Vehicle Solutions

Ambulance and Emergency

Ironman 4x4 supplies full Ambulance bodies and upgrades for emergency response vehicles throughout the Middle East and North Africa.

Military and Defence

Over the last 15 years, Ironman 4x4 has forged a name as lead supplier to the military and defence, including the supply of specialised accessory kits for their armoured vehicles. Our accessories are installed into over 30,000 vehicles used by Middle East Armed Forces operating in extreme conditions.

Refrigerated and Mobile Maintenance

Ironman 4x4 is able to offer a wide range of vehicle solutions for refrigerated and mobile maintenance trucks.



Fleet

From 5 vehicles to 5,000, from the desert to urban street, fleet managers the world over trust Ironman 4x4 for safe and reliable one-stop fleet modification.

Seamless vehicle fit out makes the job simple, removing the stress of co-ordinating multiple suppliers and the risk of poorly designed non-compliant vehicles.

Choosing Ironman 4x4 Middle East as your light vehicle fit out specialist provides you with an end to end service, delivering superior safety, uniformity and longterm durability.



Defence

Ironman 4x4 Middle East delivers a new generation of accessories for global defence forces.

Using state of the art 3D CAD design and fine element analysis, Ironman 4x4 products meet the requirements for highly protected, mobile and integrated vehicles able to operate in threat environments including mines, ambush and improvised explosive device.

Ironman 4x4 Middle East offers a broad portfolio of mission critical equipment and integration expertise, including:

- Troop carrying
- Command and control
- Reconnaissance
- Surveillance



3 Armoring

Designing accessories for armored 4x4 requires a deep understanding of vehicle specifications and expectations.

Whether discreet or military armored, Ironman 4x4 has the capabilities of supplying and installing tailored accessory solutions to meet the toughest demands, including:

- Suspension upgrades
- Runflats
- Turbo systems
- Winches
- Dual battery upgrades
- Air compressors
- Sirens / strobe lights
- Engine fire supression
- Underbody protection
- Bull Bars



Aid and Development

Ironman 4x4 Middle East is a world class producer and end to end supplier of accessories for emergency response and humanitarian aid organisations throughout the MENA region.

Vehicles involved in disaster response must be thoroughly prepared so as to protect staff deployed during relief missions.

Ironman 4x4 has off the shelf products to meet immediate supply such as:

- Bull Bars
- Winches
- Roof racks
- Water tanks
- Recovery equipment
- Lighting solutions



Mining

Mining and resource vehicles have to withstand some of the harshest conditions doing the toughest work without downtime. Mine site vehicles are part of our heritage having developed products for the largest mining companies in the world, like BHP, Rio Tinto and Vale.

Ironman 4x4 delivers safety approved roll over protections (ROPs), GVM suspension upgrades, trays, canopies and service bodies to support miners working in severe off road conditions.

Ironman 4x4 products deliver proactive solutions for the most remote conditions.



Recreation

From the Liwa Oasis to Fossil Rock, Sharjah Emirati's have always loved their 4x4's.

Preparing your 4x4 for the desert takes skill and experience and Ironman 4x4 Middle East can be your one stop solution. From suspension upgrades to compressors, tyre deflators and even sand tracks, Ironman 4x4 Middle East has got you covered.



Ironman 4x4 Products

Ironman 4x4 delivers vehicle specific accessory solutions, focusing on Government NGO's and commercial business.

Our clients include Defence Forces, mining companies and major vehicle manufacturers.

We offer tailored solutions for on-road and off-road vehicles, providing worldwide logistics, state of the art systems, after sales service and warranty support.

Our Commitment is to provide a complete 'End to End Solution' for all fleet, mining and recreational 4x4 requirements.

Whatever is needed, Ironman 4x4 can tailor specifically designed products offering a solution to provide complete confidence for a guaranteed outcome.

Ironman 4x4 products are backed with our 'Iron Clad' Ironman 4x4 worldwide warranty.

Concept and Planning



3 Dimensional Scanning



CAD Development



Products - Suspension

Shock Absorbers

Three ranges available - Nitro Gas, Foam Cell and Foam Cell Pro
Soft or firm valving options to suit a wide range of driving styles
Heavy duty twin tube construction



Shock Absorber and
Coil Spring Dyno

Leaf Spring Dyno



Off-Road Testing



Leaf Springs

High quality steel that meets Australian standard AS1447
Increased leaf thickness and durability for improved handling
Extra leaves for increased load carrying
Shot peened for reduced stress and improved durability

Coil Springs

High quality spring steel for long life
Cold wound and cylindrically ground material
Pre set and load tested for consistent ride height and quality control

Torsion Bars

Thicker bar diameter than original to improve ride and handling
Improving grain structure of steel to increase strength and durability
Cold rolled splines to increase strength and durability

Live Suspension Testing



Suspension - Compliance testing

The usable payload of many 4x4 vehicles today is minimal. Additional basic optional equipment along with two or three adult occupants will bring the vehicle close to its legal maximum weight (GVM) in many cases. Add long range fuel tanks, bull bars, winches, side steps, roof racks, recovery gear and a payload of camping equipment or an industrial type custom body and the vehicle will ultimately exceed the Original Equipment allowable Gross Vehicle Mass.

Original Equipment suspension is designed for comfort above all other considerations, thus load carrying and performance can be compromised. Whereas, Ironman 4x4 GVM upgraded suspension systems come with matched components for the ultimate in performance, load carrying and handling.

Ironman 4x4 GVM kits are fully tested in conjunction with a Certified Automotive Engineering Signatory to achieve maximum stability, braking performance, ADR (Australian Design Rules) conformity and operator comfort.



Products - Accessories

In addition to customized vehicle solutions, Ironman 4x4 Middle East offers the following products as standard vehicle fitment:

Protection

Bull Bars
Side Steps and Rails
Rear Step Tow Bars
Underbody Protection Plates

Recovery

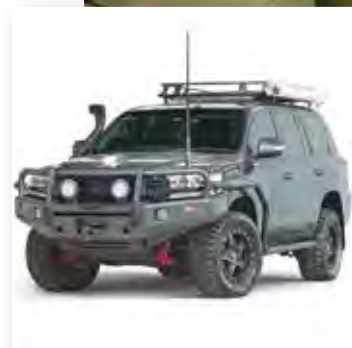
Winches
Recovery Kits / Straps / Trax
Compressors
Seat Covers

Auto Electrical

Driving Lights and Light Bars
Dual Battery Systems
Electric Brake Controllers

Storage

Canopies
Steel and Alloy Roof Racks
Single and Twin Drawer Systems
Water Tanks



Products - Accessories

Quality Accessories

Ironman 4x4 develop all accessories from the ground up, taking into account all customers requirements. This includes all vehicle and legal limitations.

Ironman 4x4 use the latest technologies in 3D scanning, CAD CAM 3D modelling with the ability to design the product and functionality around the vehicle and user specific requirements.

These designs are transformed into products using the highest quality CNC machines to ensure pin point accuracy. Our hands-on engineering capabilities and end user experience allows us to be flexible, catering for many specialist projects and fleet fitouts.

- 1 Bull bars
- 2 Air compressors
- 3 Driving lights and LED lightbars
- 4 Electric brake controllers
- 5 Dual battery systems
- 6 Premium underbody protection
- 7 Recovery points
- 8 Suspension upgrades
- 9 Side steps and rails
- 10 Big bore exhaust systems
- 11 Tow bars and rear protection bars
- 12 Recovery kits, first aid kits and jacks
- 13 Ute tub liners
- 14 Canopies
- 15 Awnings
- 16 Roof racks



FRONT TO REAR SOLUTIONS





Inventory and after sales

What separates Ironman 4x4 and the rest?

When it comes to being the one stop solution, Ironman 4x4 Middle East takes its responsibility seriously.

That's why Ironman 4x4 Middle East carries the largest range of stock in the MENA.

And when it comes to complete installation, Ironman 4x4 offers end to end solutions from:

- Mechanical fitment
- Vehicle painting
- Engineering fabrication
- Wheel alignment

Ironman 4x4 Middle East offers the complete solution – Under one roof





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complete vehicle solutions | **Ironman 4x4 Middle East FZCO**

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