



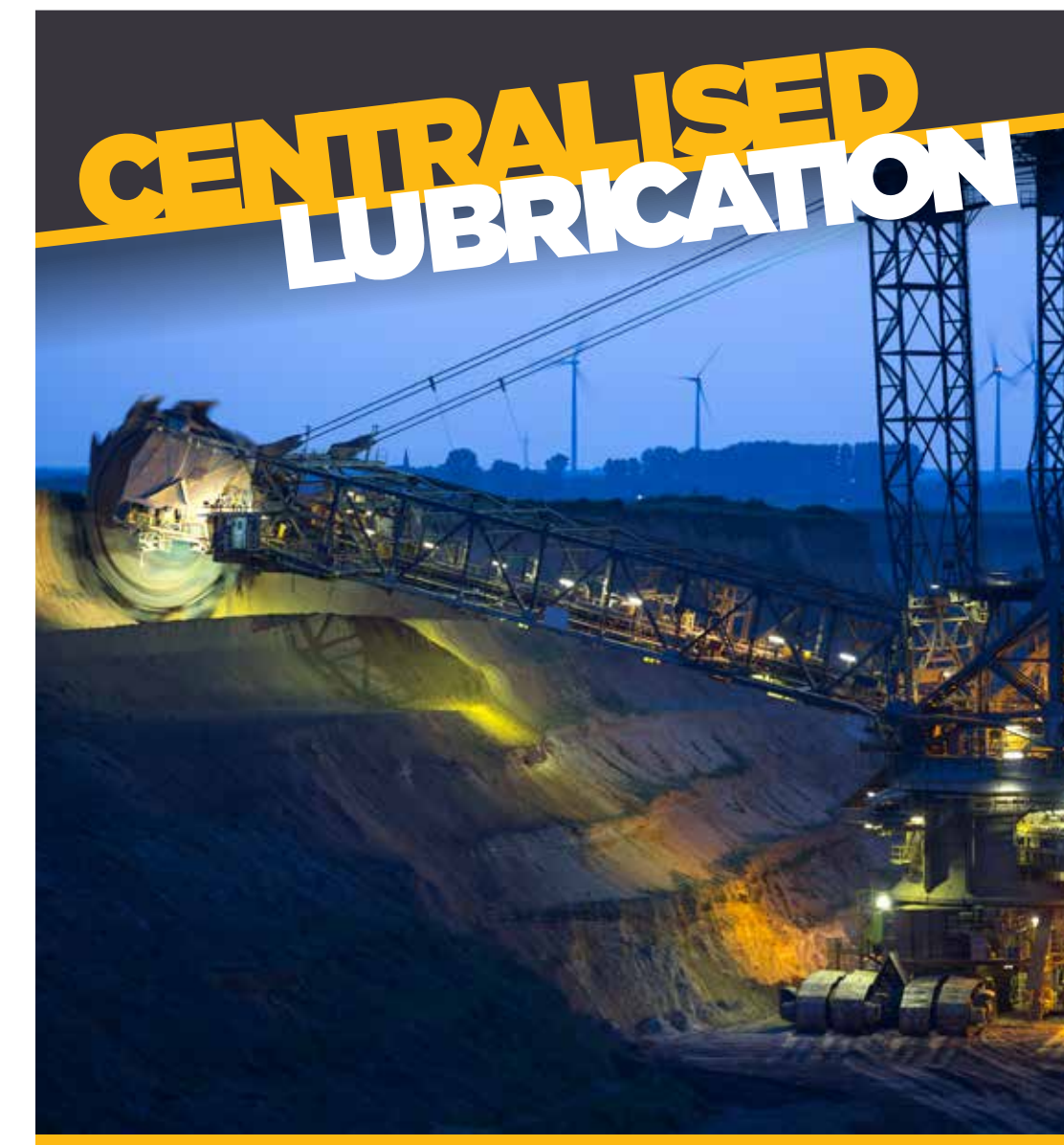
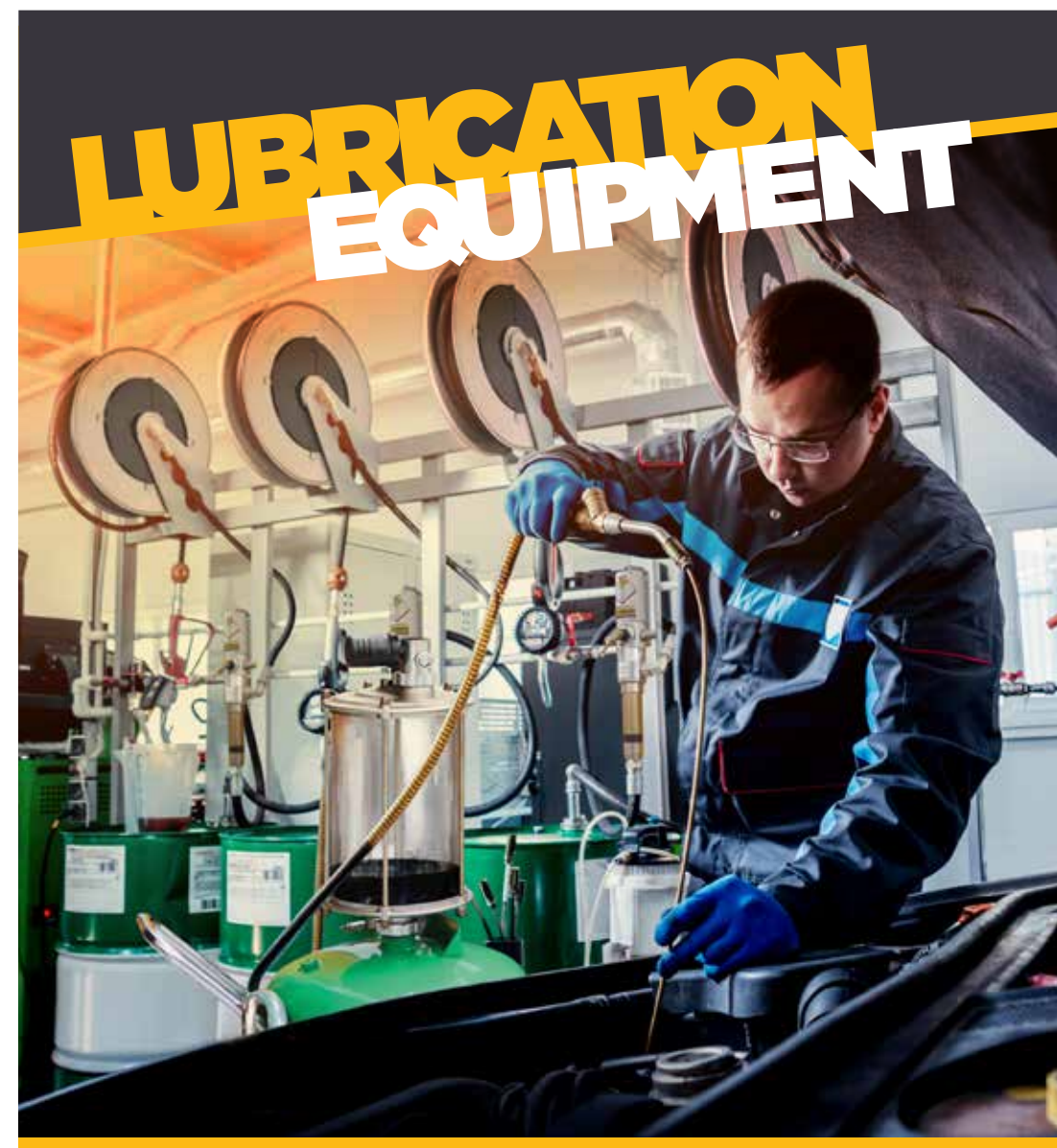
**TECALEMIT**

lubrication and workshop equipment

TECALEMIT

Tecalemit is a privately owned Australian company established in 1940 and has been designing and manufacturing lubrication equipment, fluid transfer, fluid measurement and workshop equipment for the agriculture, automotive, industrial, mining and transport industries around the globe for seven decades.

As one of Australia's most trusted brands, Tecalemit supplies industrial lubrication solutions domestically and worldwide with its products utilised by Caterpillar Underground, BHP and Rio Tinto. We value the relationships we maintain in the industry by understanding our customers' needs and connecting them with the right product.



# LUBRICATION EQUIPMENT





## Tecalemit Equipment and Service Capabilities

Tecalemit has many years experience in the automotive industry specialising in workshop design, workshop fit outs, equipment supply, installation and servicing.

Following extensive consultation with you, the Tecalemit team will design your new workshop maximising the available space, resulting in a functional and efficient solution. Tecalemit will assist the architect and builder to ensure that all relevant power specifications and suitable installation locations are met for all your workshop equipment.

With our extensive range of quality automotive workshop equipment, Tecalemit can supply, install and maintain all necessary equipment and components in addition to customised manufacturing including:

- Australian compliant 2 post and 4 post vehicle hoists and scissor lifts.
- All air, oil, waste oil and water supply lines regardless of size and scope. Along with additional fluid handling equipment, for example air operated lube pumps, hose reels and electronic oil meters.
- Bulk waste and bespoke tanks to suit your specific space and volume requirements.
- Workshop benches and storage solutions to meet and specification and requirements.

You can trust the design, supply, installation and servicing of your workshop equipment to our dedicated team of Tecalemit professionals.



# Dispensing Equipment

## Manual Oil Handling

Tecalemit's range of oil handling equipment caters for just about any situation imaginable.

No matter what the environment is, no matter what the project specifications state, Tecalemit's oil handling range provides solutions for your oil dispensing applications.



### Manual Oil Dispensing

Manual pumping equipment is essential where bulk storage isn't practical or air supply for pneumatic pumps isn't available. With a range of hand pumps servicing 20lts through to 200lts across a wide viscosity range, it ensures that product can be pumped safely and efficiently.



### Oil Safe

Oil Safe is a recognised product and an industry leader in contaminant free storage and dispensing. Available in 5lt and 10lt sizes with various lid configurations and colours (default colour is yellow) they provide a convenient 'top up' and service vehicle container solution.



### Drum Trolleys

To aid workshop efficiency drum trolleys are available to help workshop staff have their lubricant on hand close to where they are working. Trolleys can also have reels added to increase the reach and flexibility of dispensing.



# Dispensing Equipment

## Air Operated Pumps

Pumps are selected according to the effective delivery flow required. Factors such as fluid viscosity, pipeline length, pipeline internal diameter are all taken into account to determine the pressure drop created within the distribution circuit.

Pump performance can always be improved by installing a larger diameter pipeline. Most standard oil distribution pipelines should have a minimum internal diameter of  $\frac{3}{4}$ ".



### Low Pressure, High Volume Oil Pumps

1:1 Ratio pumps are designed for transferring low viscosity liquids relatively short distances at low pressures. They are ideal for mounting in drums and servicing oil bars. For heavier gear oils and longer distances or for servicing hose reels, higher pressure pumps should be used.



### Medium Pressure, Medium Volume Oil Pumps

3:1 Ratio pumps are designed for handling low/medium viscosity liquids in small to medium sized dispensing systems that involve single point dispensing through hose reels and end of hose meters.



### High Pressure, High Volume Oil Pumps

RAASM Series 900 industrial, air-operated, double-acting pumps are suitable for transferring oils, lubricants and similar products with very high viscosity.

The double action guarantees the delivery of a continuous and constant flow, ideal for all needs. Particularly effective in systems equipped with multiple distribution points.



# Dispensing Equipment

## Hose Reels

Hose reels are extremely flexible to suit your requirements. They can be mounted to walls, floors, ceilings, individually or setup in banks.

They are available for high, medium and low pressure applications and come in a variety of configurations to suit varying hose capacities and fluid requirements.



### Enclosed Air & Water Reels

The Tecalemit enclosed hose reels are equipped with adjustable support and a swivelling base wall bracket with bayonet hooking.

Suitable for the distribution of compressed air or low pressure delivery of water.



### 440 Series Hose Reels

Enclosed hose reels are equipped with a swivelling base and four position hose guide for wall, ceiling or floor mounting.

Fully enclosed reels carry up to 15 metres of 1/2" oil hose, 12 metres of 3/8" air hose or 18 metres of 1/4" grease hose. Supplied with 500mm inlet hose and hose buffer kits and powder coated in unobtrusive white finish.



### 540 Series Hose Reels

Fixed base open hose reels are suitable for air, water, oil, grease, diesel oil and similar products.

They are equipped with an automatic stopping system which allows the hose to be locked at the required length. The hose reel drum features ribbed and rounded edges. Adjustable arms allow floor, wall or ceiling mounting options and available in a variety of hose lengths.



# Dispensing Equipment

## Oil Guns & Accessories

Tecalemit offer a wide range of oil dispensing guns and accessories for your workshop.

Complementing your hose reel installation our oil delivery guns and modular drip trays provide you with a clean no fuss installation for all of your oil, grease and anti-freeze dispensing needs.

Tecalemit also has a wide range of hand pumps, drum mounted oil dispensing kits, IBC dispensing kits and mobile dispensing trolleys to complete your dispensing needs throughout the workshop.



### Oil Gun

The RAASM oil gun is supplied with a F 1/2" inlet swivel joint, filter, flexible terminal and a Ø16mm semi-automatic drip-catcher nozzle.



### High Flow Oil Gun

The RAASM oil gun is supplied with a F 1/2" inlet swivel joint, filter, flexible terminal, Ø21mm semi-automatic drip-catcher nozzle and locking lever.



### Oil Gun with Digital Meter

The RAASM oil gun is supplied with a digital meter, F 1/2" inlet swivel joint, filter, flexible terminal and a Ø16mm semi-automatic drip-catcher nozzle.

The digital meter displays the delivery of the fluid, flow rates and provides a reset total. Different units of measure can be displayed.



### Modular Drip Tray

The RAASM modular drip tray is designed to be installed underneath a hose reel and is an essential item for a clean and orderly workplace.

Features a handy hook for hanging an oil gun and is supplied with a removable drip tray.





# Waste Oil Handling Equipment

## Waste Oil

Complementing Tecalemit's range of delivery systems is our extensive offering of waste oil and handling equipment.

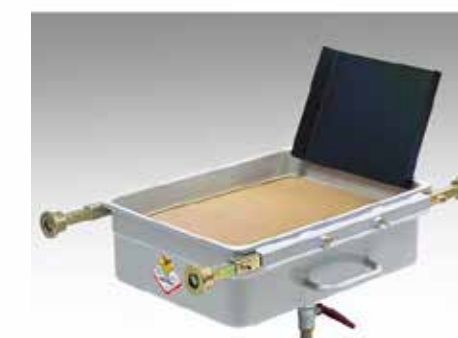
Pedestal drainers, mobile and pit mounted waste oil drainers make removing waste oil from vehicles easier and safer.



### Waste Oil Floor Drainers

The RAASM waste oil floor drainers are suitable for gravity draining of engine, gearbox and differential oil from all motor vehicles.

Features: anti-splash screen which can be used for supporting oil filters, fold away push bar and castors.



### Pit Waste Oil Drainer

The RAASM pit waste oil drainer is suitable for gravity draining of engine, gearbox and differential oil from all motor vehicles placed over a pit.

Features: anti-splash screen which can be used for supporting oil filters and adjustable carriages.



### Spill Containment

Our range of spill containment pallets are made from UV stabilised HDPE and provide greater strength and chemical resistance than similar products contaminated with recycled materials.



### Spill Kit

Oil and fuel spill kits are available in weatherproof wheeled containers or high visibility spill response grab bags that can be taken virtually anywhere.

For use with oil and fuel spills on sealed surfaces, these cost-effective kits provide clean up protection for many vehicle and workshop applications.



# Waste Oil Handling Equipment

## Gravity Waste Oil Drainers

Mobile pedestal drainers are designed and manufactured for collection of motor oil, gear oil and other non-aggressive automotive fluids.

Easily positioned under vehicle hoists, models for gravity collection are fitted with a telescopic bowl. Models fitted with a pneumatic vacuum pump can be used for extracting waste oil via the vehicle dipstick.

These products come with a range of options and capacities and are the perfect workshop companion, all but eliminating waste oil spillage and exposure.



### 65L Mobile Waste Oil Drainer

The RAASM mobile waste oil drainer is ideal for quick engine oil changes of any motor vehicle.

Features: bowl mounted on adjustable support, 2m integrated drainage hose, sight gauge, two fixed axle wheels and two swiveling castors.



### 80L Mobile Waste Oil Drainer

The RAASM mobile waste oil drainer is ideal for quick engine oil changes of any motor vehicle.

Features: bowl mounted on adjustable support, 2m integrated drainage hose, sight gauge, two fixed axle wheels and two swiveling castors.



### 90L Mobile Waste Oil Drainer

The RAASM mobile waste oil drainer is ideal for quick engine oil changes of any motor vehicle.

Features: bowl mounted on adjustable support, 2m integrated drainage hose, sight gauge, two fixed axle wheels and two swiveling castors.



# Waste Oil Handling Equipment

## Suction Waste Oil Drainers

Mobile pedestal drainers are designed and manufactured for collection of motor oil, gear oil and other non-aggressive automotive fluids.

Easily positioned under vehicle hoists, models for gravity collection are fitted with a telescopic bowl. Models fitted with a pneumatic vacuum pump can be used for extracting waste oil via the vehicle dipstick.

These products come with a range of options and capacities and are the perfect workshop companion, all but eliminating waste oil spillage and exposure.



### 90L Combination Oil Evacuator/Drainer

The RAASM mobile oil evacuator/drainers combine convenience and efficiency of gravity draining or air evacuation.

Features: wide profile drain bowl with anti splash screen, 2m integrated suction and drain hoses, suction probes, reservoir mounted tool tray, two fixed axle wheels and two swiveling castors.

### 115L Pantograph Oil Evacuator/Drainer

The RAASM pantograph oil evacuator/drainers is designed for truck workshops where vehicles are serviced in bays without pits or hoists. The pantograph mounted drain tray can be used at floor level or raised and is emptied by gravity when raised or vacuum when lowered. The unit doubles as an evacuator with a set of suction probes and 2 metre suction and drain hoses included.



# Waste Oil Handling Equipment

## Air Operated Diaphragm Pumps

Diaphragm pumps are extremely versatile and can be mounted on wall brackets, trailers, moving machinery, drums or large reservoirs and are suitable for a wide variety of workshop applications.

These versatile pumps transfer liquids using two diaphragms fixed to both ends of a connecting rod which is actuated by air pressure. Four simple valves are used to control the circuit and via the two chamber system and a repetitive action a constant flow of liquid is achieved.



### Diaphragm Pump - 1/2" 60 L/min

The RAASM 120-PB series diaphragm pump is made from a combination of polypropylene body and wetted parts with an aluminium motor and internal flanges making it a reliable pump in extreme conditions.

Ideal for transferring oil, diesel, water, mineral and vegetable oils, abrasive fluids and fluids with suspended solids. The double inlets are ideal for mixing together two different kinds of liquids, i.e. water and anti-freeze.



### Diaphragm Pump - 1" 170 L/min

The RAASM 1000-AB series diaphragm pump is made from die-cast aluminium with high-quality components making it a reliable pump in extreme conditions.

Ideal for transferring oil, diesel, water, mineral and vegetable oils, abrasive fluids and fluids with suspended solids.



### Diaphragm Pump - 1 1/2" 480 L/min

The RAASM 1120-AB series diaphragm pump is made from die-cast aluminium with high-quality components making it a reliable pump in extreme conditions.

Ideal for transferring oil, diesel, water, mineral and vegetable oils, abrasive fluids and fluids with suspended solids.



# Fabricated Products

## Bespoke Solutions

In your workshop, you require equipment that delivers every single day. But sometimes there are situations that require a bespoke solution.

Tecalemit can fabricate and custom build a variety of items to meet your specific needs. From hose reel gantries, oil tanks, waste oil storage, filtrations systems, pipework, work benches, lube stations and banded lubrications solutions.



### Service Module

Tecalemit's Lube Skid is the ideal solution for safe, clean and efficient mobile lubrication servicing

on-site. Designed to be used from the back of trucks, trailers and utes or conveniently located on-site for static use via forklift or crane.

The Lube Skid utilises three tanks for new oil's and a single tank for waste oil and comes fully equipped with pumps, hose reels and ancillary equipment.



### Self-contained IBC Bund

Tecalemit's self-contained IBC bund is the ideal turnkey solution for your on-site IBC storage.

The system is complete with RAASM 900 Series 5:1 Pump, RAASM 540 Series 15m Hose Reel, Metered Oil Gun, 1.5m x 1" Suction Hose, 1.5m 3/4" Hydraulic Hose (pump to reel), Regulator/Air Lubricator.

# Fabricated Products

## Oil Storage Tanks

Storage of oil and waste oil is vital for a clean, safe workshop environment.

Tecalemit manufactures and installs storage tanks to suit and specification applicable to your unique requirements.

All of our tanks are manufactured to Australian Standards and are designed and installed according to and respect of critical OH&S regulations.



# VEHICLE HOISTS





# Vehicle Hoists

## Scissor Lifts

The Tecalemit range of automotive scissor lifts are designed to provide valuable assistance in day-to-day automotive workshop operations.

Each lift is controlled by an aluminium motor to prevent overheating which offers high quality and reliable performance.



### 3 Tonne Mid Rise Portable Scissor Lift

The Tecalemit 3 tonne mid rise, low profile portable scissor lift is the perfect solution for quick service bays and flexibility within the workshop.

The hoist features an Aluminium motor to prevent overheating, IP54 ABS control box and 24V control system, hydraulic pressure pre-setting avoids raising vehicles past the rated lifting capacity, electric safety locks and platform extensions for longer vehicles.



### 3 Tonne Full Rise Scissor Lift

The Tecalemit 3 tonne low profile scissor lift is the perfect solution for quick service bays.

The hoist features a surface mounted design, four cylinder structure, anti-skid diamond plate, Aluminium motor and 24V control system.

Additional safety features include an alarm when platforms reach 500mm above ground, pneumatic safety locks, burst valve and platform extensions for longer vehicles.





# Vehicle Hoists

## Black Series Hoists

The Black Series boasts a full line up of two post hoists and scissor lifts. Not everyone can justify the expense of a top-of-the-line hoist and that's where the Black Series comes into its own. Backed by Tecalemit's high level of quality and support, each product has been rigorously tested before being added to our line-up.

The Black Series hoists are equipped with a pre-set loading limit to avoid overloading and an Aluminium motor to protect from heat damage. The multifunctional hydraulic system allows for manual lowering when power to the hoist is lost so you are never stuck with a vehicle on the lift.



### 4.2 Tonne 2 Post Base Plate Hoist

With a 4.2 tonne lifting capacity and featuring an asymmetrical design, the hoist easily caters for a wide range of vehicles from small passenger cars, light commercial, low clearance and off road recreational vehicles.



### 4.2 Tonne 2 Post Clear Floor Hoist

With a 4.2 tonne lifting capacity and featuring an asymmetrical design, the hoist easily caters for a wide range of vehicles from small passenger cars, light commercial, low clearance and off road recreational vehicles.

The TECB242C utilises a clear floor design allowing space for easy cleaning, room for ancillary equipment and reduced risk of tripping hazards.



### 5 Tonne 2 Post Clear Floor Hoist

The Tecalemit two post clear floor hoist is designed with the professional mechanic in mind.

With a 5 tonne lifting capacity and featuring a clear floor design, the hoist easily caters for a wide range of vehicles from small passenger cars, light commercial, low clearance and off road recreational vehicles.



# Vehicle Hoists

## Gold Series Hoists

Complementing our entry level hoists are our popular Gold Series hoists. These products remain in high demand and are tried-and-tested in the field.

Tecalemit is committed to the highest safety standards in the design, operation and servicing of our vehicle hoists. These products are safety critical, their design and use is regulated by Australian Design Standards and Occupational Health and Safety legislation. Tecalemit maintains a policy of ensuring our hoists not only meet, but comfortably exceed regulatory requirements for safety, strength and durability.

Tecalemit stock a comprehensive supply of spare parts for all our vehicle hoists to ensure minimal downtime. Our experienced staff are always available to provide you technical advice on hoist selection, installation, operation as well as on-going service and maintenance.



### 4.2 Tonne 2 Post Clear Floor Hoist

The Tecalemit two post clear floor hoist is designed with the professional mechanic in mind. With a 4.2 tonne lifting capacity and featuring an asymmetrical design, the hoist easily caters for a wide range of vehicles from small passenger cars, light commercial, low clearance and off road recreational vehicles.

The TEG242C utilises a clear floor design allowing space for easy cleaning, room for ancillary equipment and reduced risk of tripping hazards.



### 4 Tonne 4 Post Hoists

The Tecalemit 4 tonne four post electro/hydraulic hoists come in three variants. The standard base model, large model and a wheel alignment specific model.

The Base Model and the Large Models share the same core features where as the Wheel Alignment Model is supplied with front turning plate locations and rear slip plates with extra-long platforms suited for wheel alignment duties.

# CENTRALISED LUBRICATION



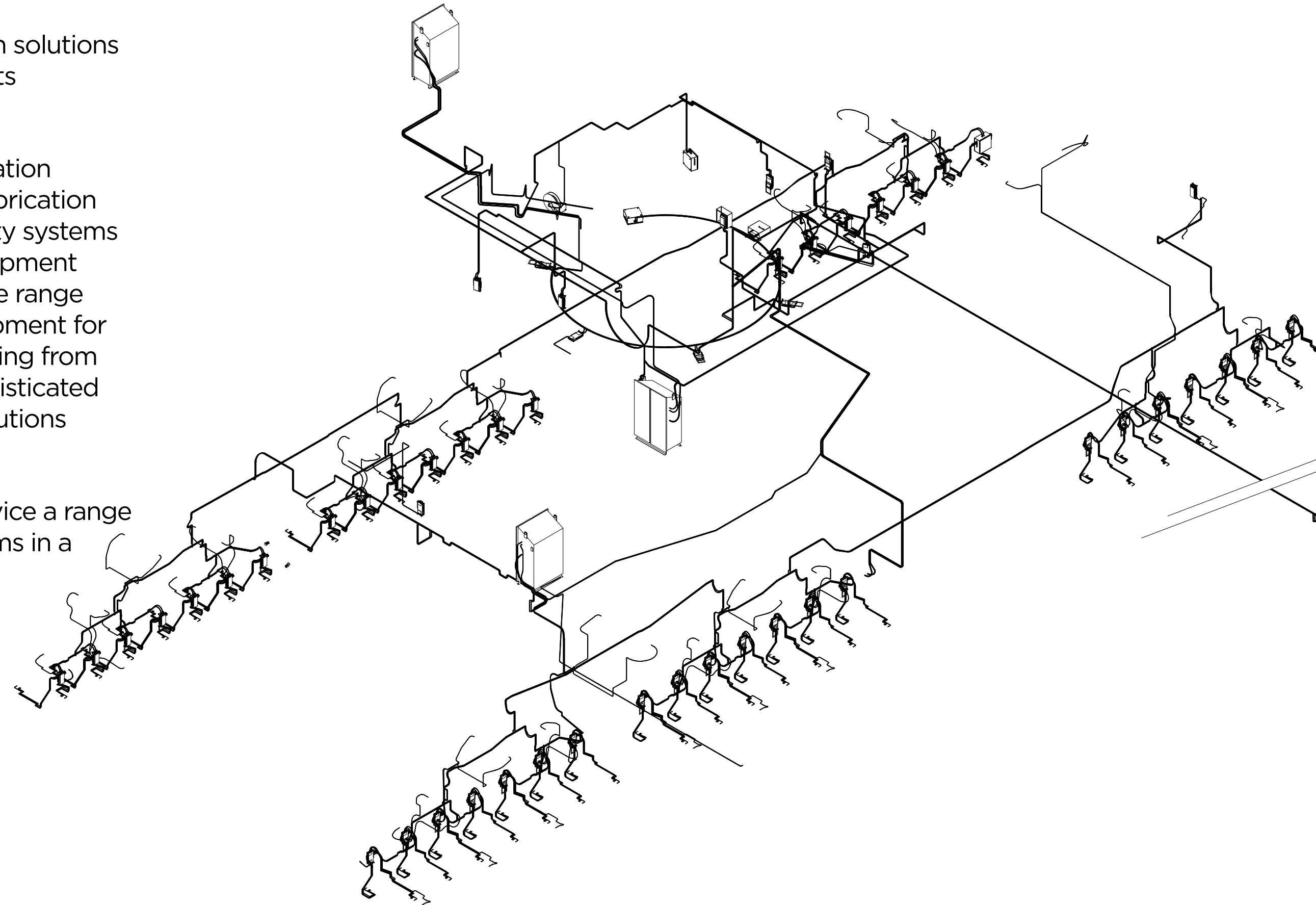


# Centralised Lubrication

Tecalemit's industrial lubrication solutions cover a diverse range of markets and applications.

Our bespoke centralised lubrication solutions range from chassis lubrication systems for trucks to heavy duty systems for off road mobile mining equipment and fixed plant. We offer a wide range of dispensing and service equipment for industrial plant lubrication ranging from grease nipples through to sophisticated greasing systems, metering solutions and controllers.

Tecalemit design build and service a range of centralised lubrication systems in a variety of applications.



# Applications

Tecalemit design build and service a range of centralised lubrication systems in a variety of applications. The diversity of system types and applications can be broadly categorised as follows:

## **Fixed Plant**

Fixed plant applications include processing equipment found in steel, mineral processing, pulp and paper mills, turbines and bottling plants. These are process critical applications high in capital value that cost enormous amounts in lost production when down for maintenance or repair. Equipment that is ancillary to these applications can be equally important including conveyors, crushers and other forms of prep plant in any continuous process.

## **Mobile Plant**

Mobile plant generally doesn't make money unless it is moving. Centralised lubrication for this type of plant can vastly reduce downtime and maintenance repairs by keeping dirt and water out of bearings, pins, bushes and chassis components.

## **Gear Spray Systems**

Gear spray systems are a special category of fixed plant requiring specialised equipment and knowledge to keep them effectively lubricated. Specialised monitoring systems that provide positive feedback and fault detection alarms to the process controller are critical components of the lubrication system. Tecalemit provides integrated solutions that meet these requirements.





**RioTinto**

Dampier Iron Ore Port Terminal.  
Pilbara, Western Australia.

# System Types

There is no one system that satisfies all needs. Tecalemit's experience ensures our customers get the most appropriate system for their requirements – one that is reliable and cost effective.

The basic system types Tecalemit provides include:

## Single line divider valve systems

Where oil and grease is metered progressively to each point.

## Single line Injector systems

Where grease is pressurised in a single line to individual injectors.

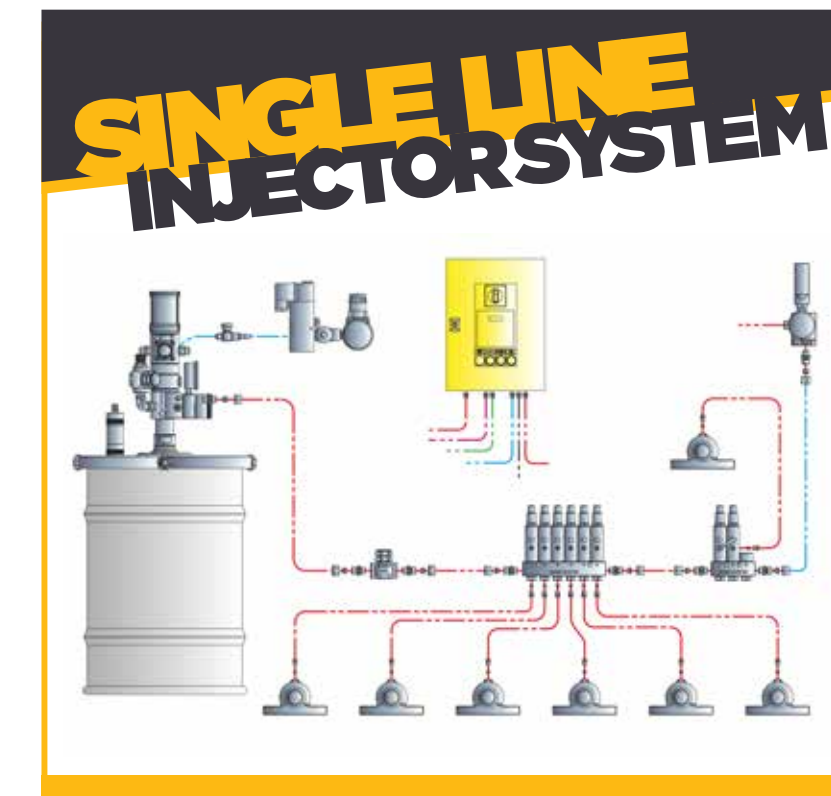
## Dual line systems

Where grease is alternately pressurised in two lines and metered by independently adjustable metering valves.

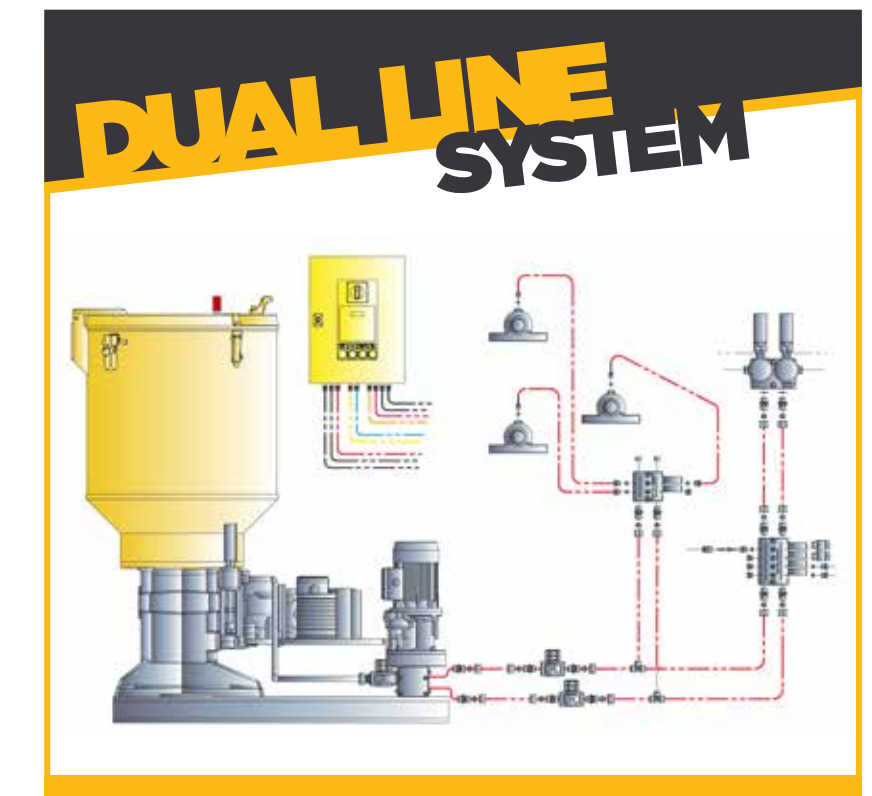
## Multi line systems

Where each lube point has its own feed line.

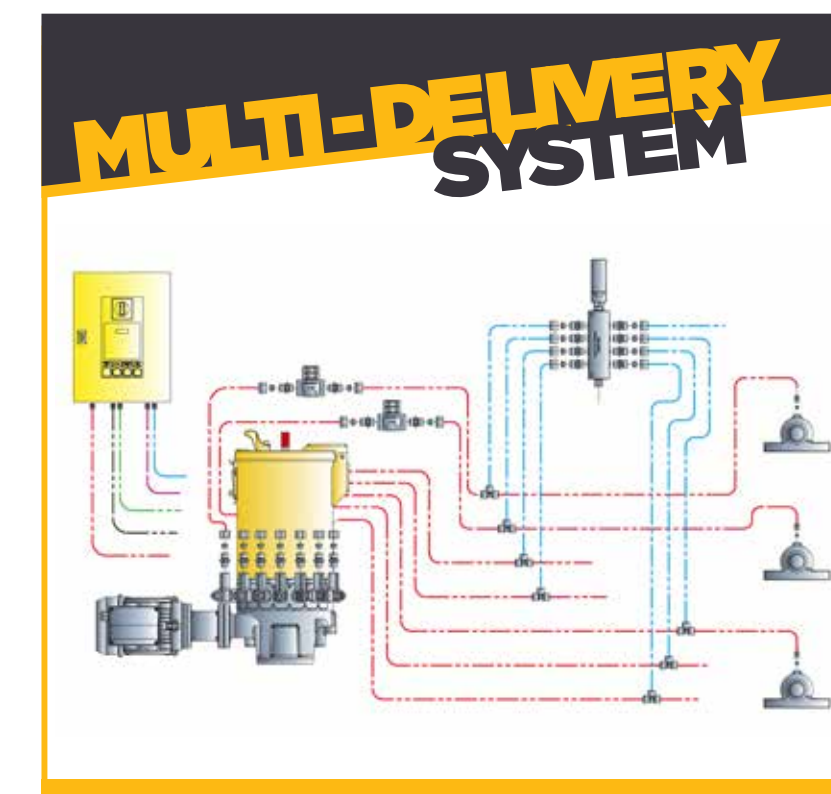
Each system has unique features and benefits and can be electrically, pneumatically or hydraulically powered and may be fitted with monitoring options in line with system criticality.



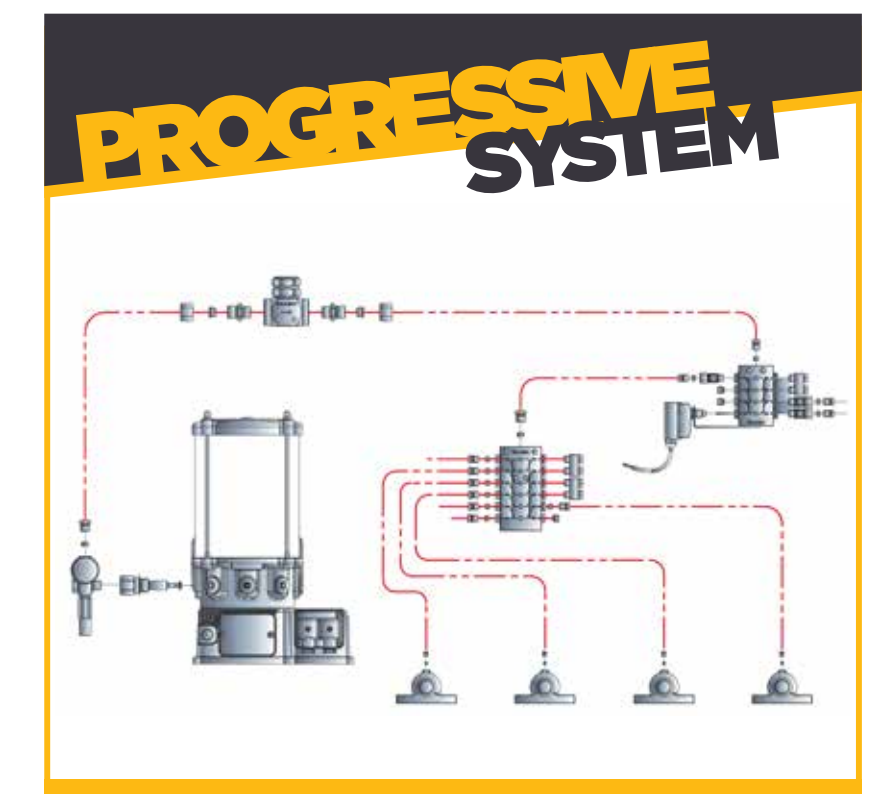
Mobile Plant Loaders and Dump Trucks



Stacker's, Reclaimers and Ship Loaders



Custom Design

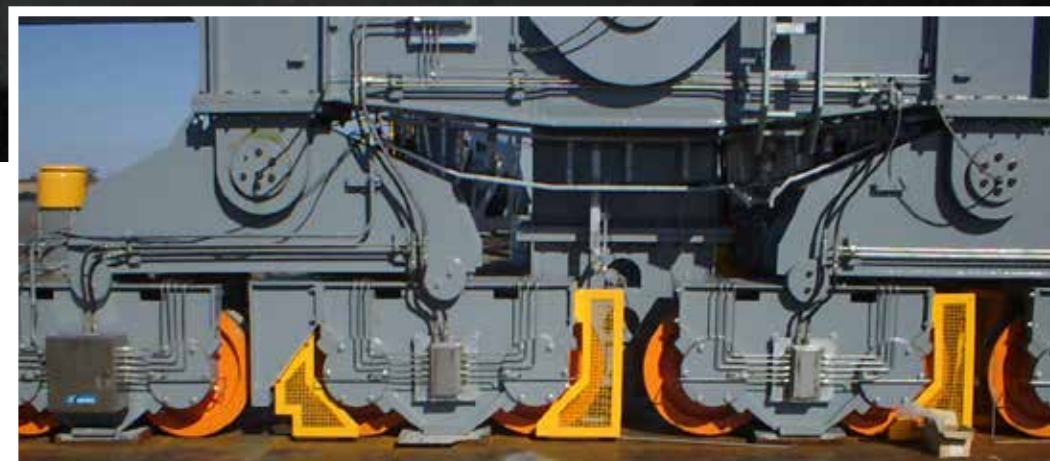


Feeders, Screens and Take Up Pulleys



# Dual Line Systems

Stackers, Reclaimers and Ship Loaders



# Dual Line Systems

Stackers, Reclaimers and Ship Loaders





# Dual Line Systems

Pump Station with  
90L Reservoir



# Dual Line Systems

## Enclosures and Valves



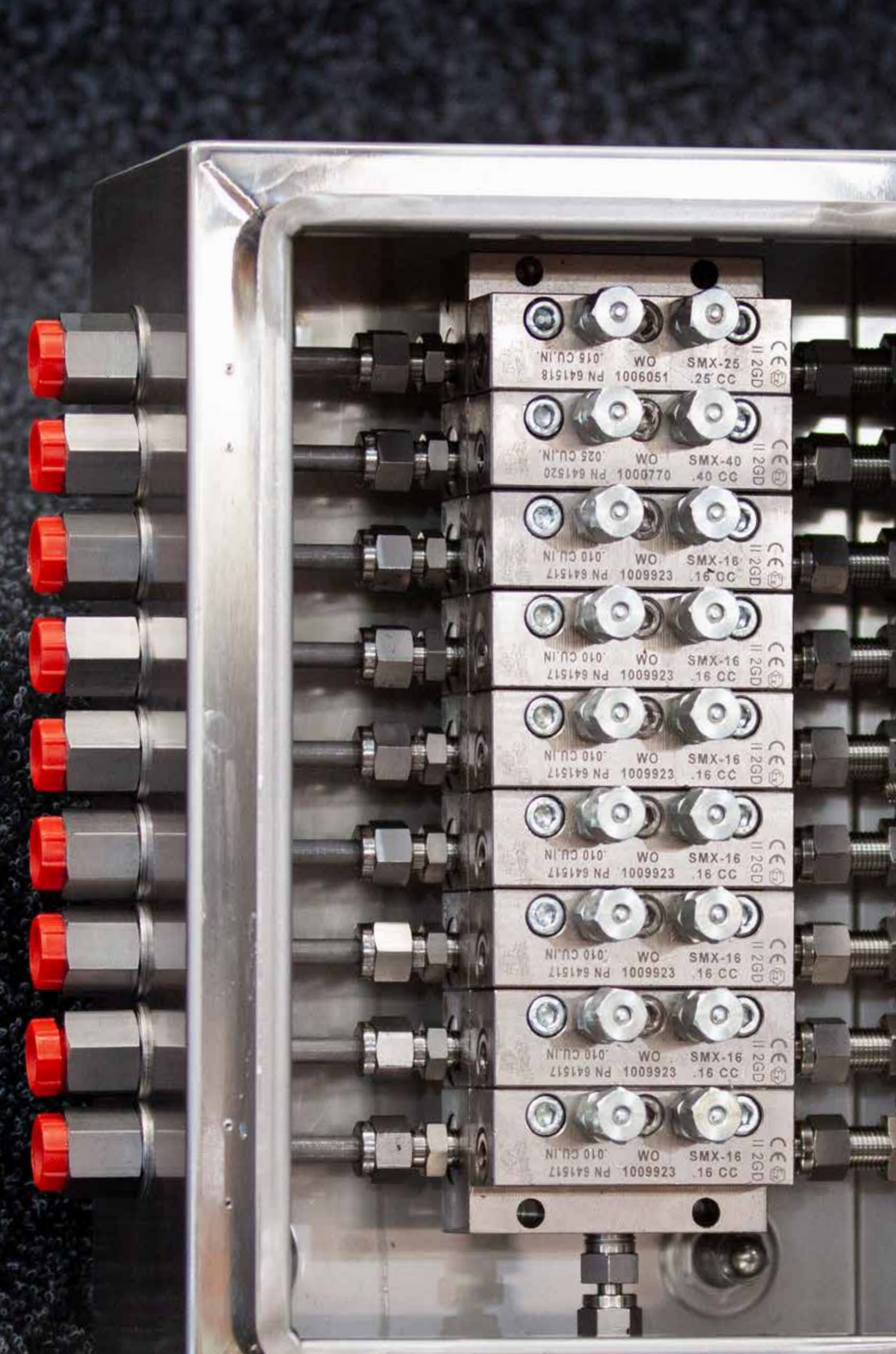
# Progressive Systems

Feeders, Screens and Take Up Pulleys



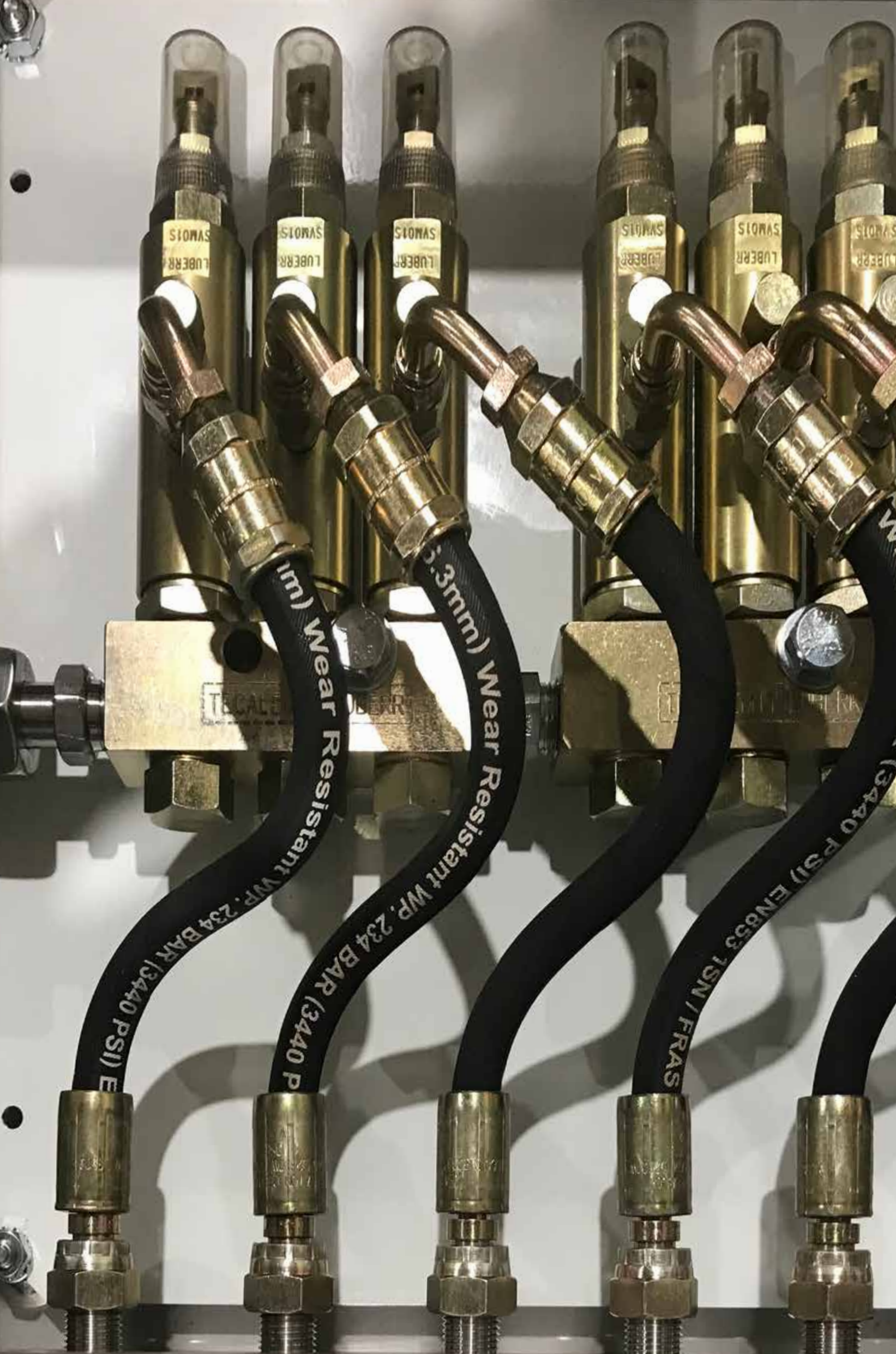
# Single Line Divider Systems

Enclosures and Valves



# Single Line Injector Systems

Feeders, Screens and Take Up Pulleys



# Industrial Applications

## Light Duty Service Vehicle



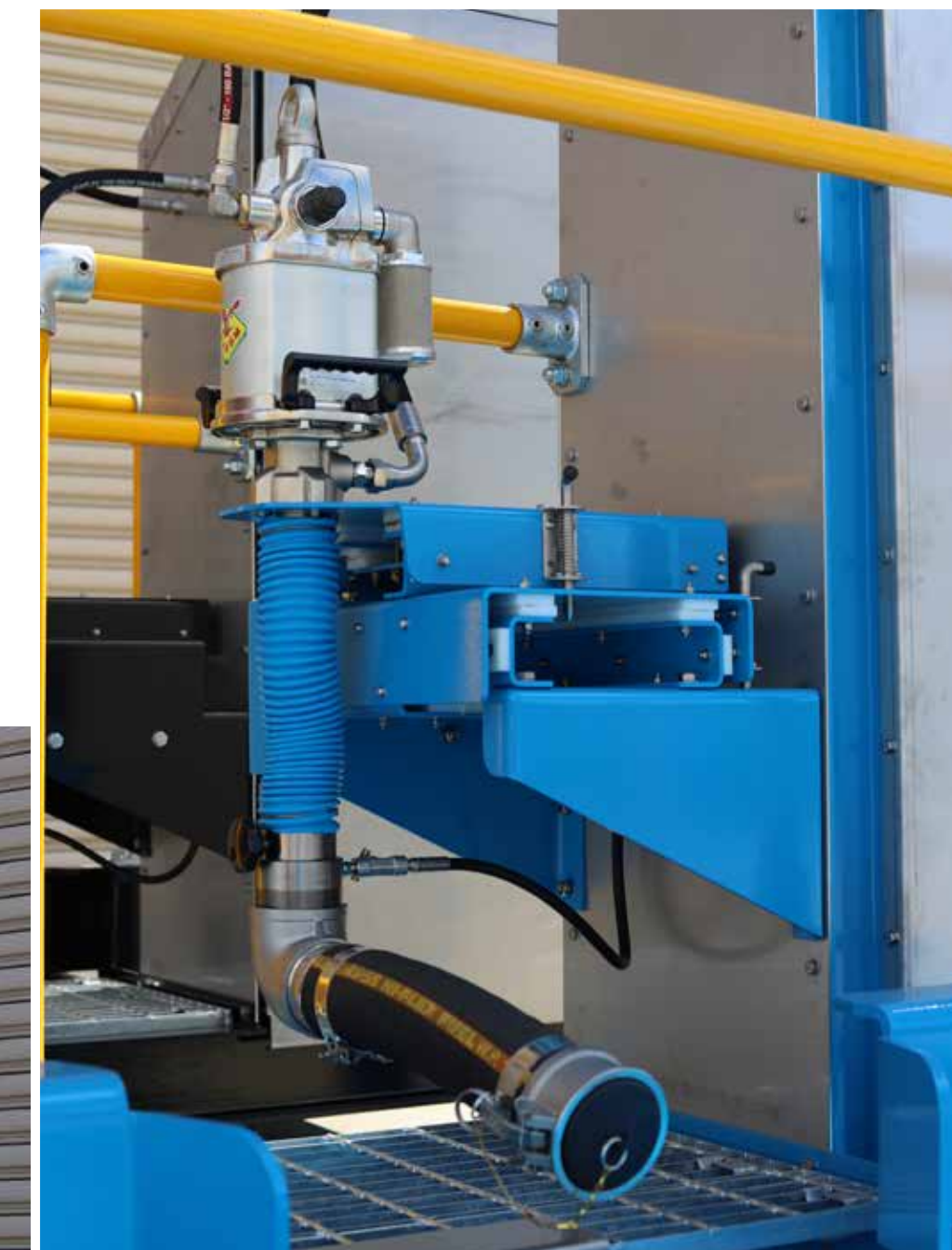
# Industrial Applications

BHP Finucane Island Service Truck.  
Pilbara, Western Australia



# Industrial Applications

BHP Finucane Island  
4 Tonne Grease Transfer Station.  
Pilbara, Western Australia







# Industrial Applications

540lt Pump Station for Centralised Lubrication

