



Corporate Profile

“We are the supply partner of choice for Australia and New Zealand’s civil construction industry. **Specialising in water and infrastructure based solutions.**”

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HYNDS GROUP OF COMPANIES

Hygrade Water Infrastructure is part of the Hynds Group of Companies founded in 1973 by John and Leonie Hynds.

An Australasian manufacturing and supply business, Hynds specialise in products for water and water-based waste management, employing over 800 people within its New Zealand and Australian operations.



Hynds Group of Companies

Today, the Hynds Group of Companies are the supply partner of choice for Australia and New Zealand's civil construction industry, specialising in water and infrastructure based solutions.

John Hynds' early passion, innovation and tenacity shaped a business where people mattered and relationships were built on trust, with customers at the very foundation of the Hynds philosophy.

Care for people, long term respectful relationships and industry leading innovation continues to be at the heart of the business today.

The Hynds Group of Companies includes manufacturing plants in concrete, ferrous metal, polypropylene and polyethylene.

Hygrade Water in both New Zealand and Australia import and distribute world leading brands to the Civil Infrastructure Industry.





Introduction

Hygrade Water Infrastructure are Australia's premier supplier of products for water and water based waste management.

Distribution centres are based in both Sydney and Brisbane supplying the nation with water main products and pipeline solutions. Our innovative products are designed to European Standards and Certified for use in the various authorities within Australia.



Our Range

Hygrade Water Infrastructure's product range incorporates world renowned brands sourced from leading manufacturers worldwide. The range is specifically tailored for the Australian water and civil infrastructure Industry sectors, and specified to suit each state.

The range also includes ductile iron access covers & grates developed, tested and manufactured to AS3996 standard.

HYGRADE WATER

Hygrade Water Infrastructure is an Australian company privately owned by the Hynds Group of Companies.

With world leading exclusive agencies, Hygrade Waters' comprehensive range of products includes a full complement of valves, pipe fittings, access covers & grates, and related specialist products for civil and municipal applications. The product range includes over 2000 fully certified channels and covers and watermain products specifically for the Australian water and civil infrastructure industry sectors.



Our Team

Hygrade Water Infrastructure's specialist team of experienced industry people are focused on supporting our national distribution network through excellence in service, and continually striving to provide innovative solutions to our customers.

Our technical experts provide Innovative design capabilities and leading edge product to suit the specific needs of each region throughout Australia.



Our Products

All products comply with relevant state, national or international standards.

- Many of the companies represented by Hygrade Water Infrastructure, operate on a global basis and are leaders in developing world best practise solutions and standards.
- Hygrade Water Infrastructure organises technical visits to Australian local authorities and consulting engineers to assist with product design and selection.

VALVES & HYDRANTS

A comprehensive range of valves for water supply, wastewater, and stormwater applications.

- Gate valves
- Hydrants
- Check/non-return/reflux valves
- Knifegate valves
- Butterfly valves
- Needle valves
- Air release valves
- Actuator and extension packages
- Penstock valves
- Flap valves
- Ball valves
- Control Valves



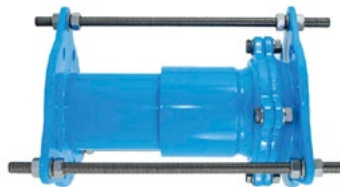




PIPE FITTINGS

Pipe, fittings and complete systems for applications in potable and wastewater pipelines, municipal treatment plants, irrigation, & industrial markets.

- PE Pipe couplings, tees, bends and reducers
- Compression fittings
- Metallic couplings - restraint / non-restraint
- Encapsulations collars for repair under pressure
- Flexible couplings
- Hot tapping saddles
- Seismic joints
- Restrained couplings and flange adaptors
- Low pressure waste water couplings
- Brassware



HAWLE

No Compromise on Quality

The Hawle Austria Group produces and distributes valves and fittings for water distribution all over the world. These products have been manufactured for generations and are used in urban water management from the source right through to the connection in the house.



About us

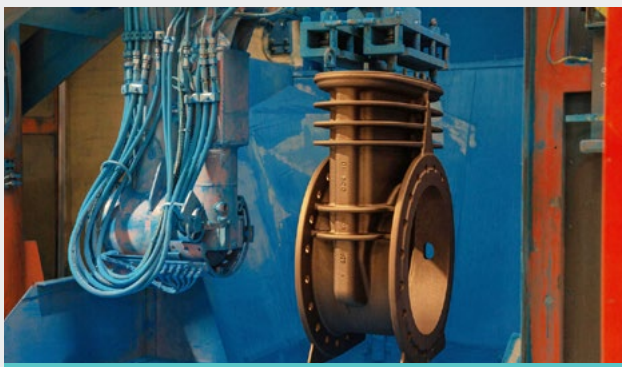
The pioneer Engelbert Hawle founded the company in Vöcklabruck, Austria, in 1948. His idea was to create a revolutionary pipe connection for drinking water pipelines. His workshop was modest but he made up for that with plenty of ideas and passion, always aiming to achieve customer-oriented solutions. With pioneering spirit and the ambition to keep developing his products further, Hawle reached ever greater milestones over the decades.

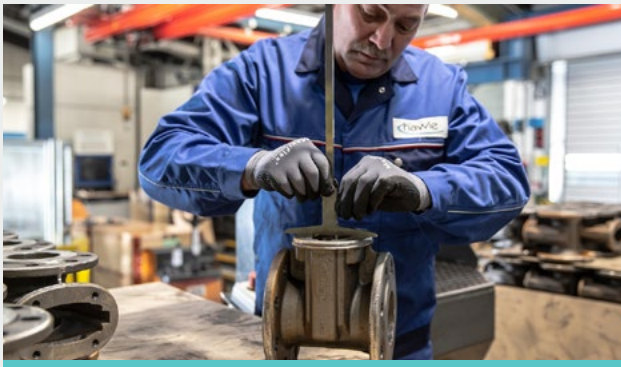
Drinking water is one of the most important resources in the world and has been a priority at Hawle for more than 70 years. Clean drinking water means life, and with life comes certain obligations. This is why Hawle is creating the most secure connections in the global drinking water supply.

Today, Hawle is the leading company for quality in heavy-duty valves. A 10 year warranty with each valve provides peace of mind.

The Group

The Group is now a global player and has remained in family control since the beginning. Hawle always keeps the future in mind and has an international vision, striving to develop the company in a sustainable and positive way.







Introduction

Part of the Hawle group, ÖZKAN are based in Turkey and are manufacturers of high performance valves for the three waters infrastructure including pipelines, pump stations, distribution, and irrigation.

ÖZKAN specialises in butterfly valves, needle valves, check valves, dismantling joints, air release valves, and speciality control valves to meet project needs from 200mm to 3000mm diameter.

Quality has been the main principle of ÖZKAN since its foundation. Product range, experience, project based custom production, and on-time delivery performance are the features that make ÖZKAN preferable.





ÖZKAN

ÖZKAN was founded in 1983 and has been a member of the Hawle Austria Group since 2011.



NOVA SIRIA

NOVA SIRIA is part of the Hawle Austria Group and has more than 85 years of experience as a leading manufacturer in large size and tailor-made fittings.



About us

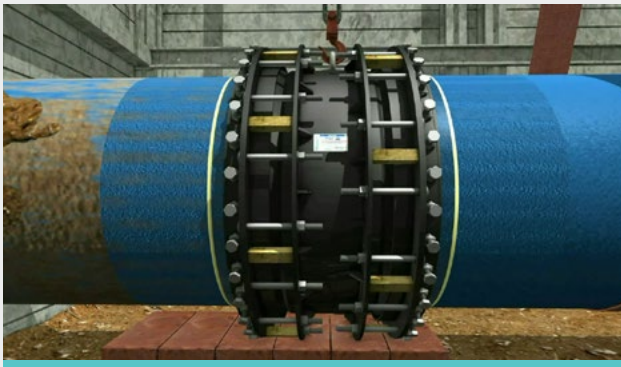
Based in Italy, Nova Siria export to more than 40 countries all over the world to the civil and rural markets.

Nova Siria specialise in design and manufacture of pipeline couplings for performance beyond normal expectations.

Through design excellence, 3D modelling and FEA, Nova Siria produce robust solutions for live pipeline repair, hot tapping and self restraining couplings.

With tolerance up to 50mm, pressure testing up to 100bar and sizes up to 2500mm - Nova Siria is a true solutions supplier.





Standards

Nova Siria has ISO 9001:2015 certification and uses approved materials in the manufacturing of its products such as Rilsan Nylon 11 coating.

The very high quality standards of mechanical manufacturing processes, the final inspection, and the use of technologically advanced materials ensure the highest reliability of NOVA SIRIA's products in the hardest conditions of installation.

Nova Siria fittings provide connections for:

- The water industry
- The gas distribution industry
- The sewage industry
- Marine applications – discharges, effluents
- Petrochemical industry
- Hydroelectric plants
- Industrial applications, plant maintenance


WAPRO®

About us

In 1988 Mats Persson, a civil engineer, discovered a need that could not be solved with traditional products. He invented WaBack, a non-return chamber for sewer and stormwater.

Wapro AB was established later the same year to invent further products that provided the best possible protection against flooding, odour and backflow in stormwater and sewer systems.

Following the success of WaBack, Mats went on to invent WaStop, an inline check valve to prevent flooding in stormwater and sewer systems. A third product, WaReg, quickly followed and was designed to autonomously regulate stormwater and to round-off the product portfolio.

Located in Sweden, USA and Germany, Wapro invents, innovates, manufactures, tests, promotes and sells products to 49 Countries.





WAPRO

Based in Sweden Wapro has become the market leader in high quality protection against flooding, odour control and backflow through innovation and overwhelming desire to exceed expectations.



With more than 55,000 installations worldwide, Wapro is ISO certified with ISO9001 and ISO14001, and has a robust environmental policy to minimise their environmental footprint.

Wastop®

Wastop® protects people and property from flooding. Replace failing tide gates and duckbills with a Wastop® inline check valve for instant protection.

Wastop's ingenious function provides you with the best possible protection against flooding, odor control and backflow.

A wide size range makes it available to fit most types of pipes from NPS 3" to NPS 72" and it is also available in an Access chamber for easy access from ground level.

Working on differential pressure the Wastop® functions autonomously, without human interaction, without electricity and without constant maintenance.

GILLIES METALTECH

Gillies Metaltech is New Zealand's only manufacturer of cast ferrous metal fittings and valve systems.

Originally established on its present site at Oamaru in 1924, Gillies Metaltech has a well established reputation for designing and manufacturing quality cast metal watermain products, and special purpose pumps. Gillies manufactures in both cast iron and ductile iron.



Quality Standards

Gillies Metaltech has third party "S-Mark" certification for full range of ductile iron watermain fittings manufactured to AS/NZS2280, and is New Zealand's only manufacturer of NZS4522 Fire Hydrants. Gillies is externally audited to the ISO9001 Quality Management System.



Design Service

Combining traditional pattern making with new technology, Gillies team of engineers utilise the latest software for 3D modelling and stress analysis in product development and innovation.



Expertise

In addition to the standard range of product, Gillies are able to custom design one off 'specials' that comply with the specified standard AS/NZS 2280. The foundry and engineering operations specialise in short run unique demand for waterwork and other industrial applications.



Laboratory Testing

Gillies registered on-site testing laboratory is utilised to batch test and control all certified product.

While conducting compliance testing for the new NZS 4522 Fire Hydrant, over one million litres of water was used.



Product & Service Range

- Ferrous metal casting capabilities
- Fabrication of large bore steel irrigation fittings
- Fabrication of irrigation fittings using glass reinforced polymer
- Manufacture of NZS4522 Fire Hydrants
- Unlimited capacity for heavy machining and structural engineering
- Design, innovation, research and development



Coating Process

Gillies Metaltech fittings and valves are coated in accordance with AS/NZS4158 using a purpose built 'fluidised bed' process.

The coating medium used offers long term durability and protection to extend the life of the product.

PERFECT SOLUTIONS

World leading innovative and high performance product ensures Hygrade Water Infrastructure can provide a complete watermain package for projects of any scale.

The top quality and robustness of our range, delivers reliable and long life asset management - critical to pipeline integrity.



A Tricky Situation

The Network Services Construction Team recently used a new DUOFIT coupling to quickly repair a leak on a 900 mm water main at Petersham Reservoir.

The DUOFIT coupling was installed in one day without the need to shut the water main, empty the reservoir or rezone the area by our crew. It saved about 220 hours of night work and protected the water supply to some 146,000 customers. The special coupling was made to measure in Italy to fit over and encapsulate the leaking joint. It was lifted into place, 30m from the road, using a 55 tonne crane. Without the new coupling, traditional repairs would have involved removing the leaking joint and welding a welding collar in its place to stop the leak. The reservoir would have been rezoned and emptied - dumping the water!

Using the new DUOFIT coupling had many benefits:

- Saving around \$30,000 for rezoning the supply zone and conventional repairs.
- Avoiding the huge risk posed to two different reservoir zones and 146,000 customers (Ashfield – 73,000 and Petersham – 73,000 population).
- No loss of water to do the repair.
- No environmental impact from dumped water.
- No customer impact due to rezoning.
- No customer complaints due to change in water pressure from rezoning or dirty water issues.
- Avoiding any risk of main breaks due to rezoning.
- Maintained the integrity of the water main and still have a flexible joint which can be accessed in the future.



Tennyson Wastop Installation

SITUATION

Backflow water from the Brisbane river floods.

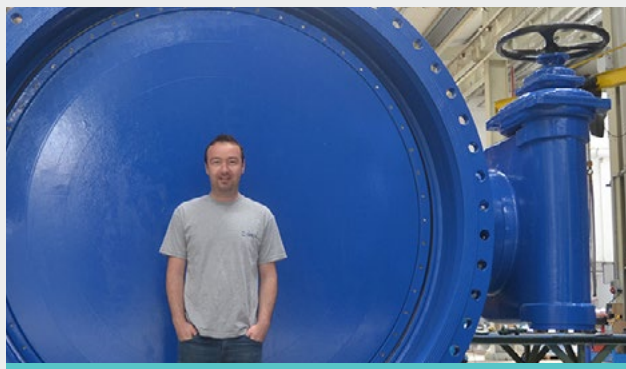
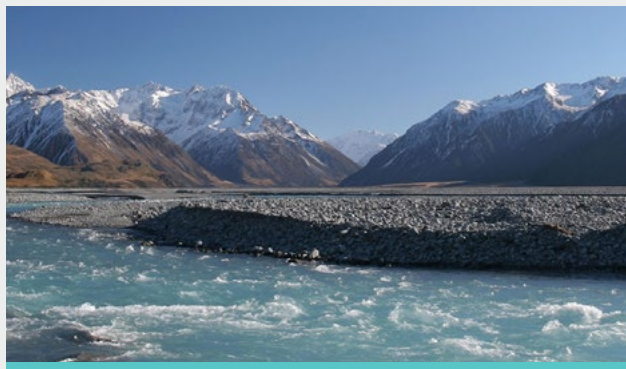
SOLUTION

The solution was the council installed the Wastop® to protect homes in Brisbane.

BENEFITS

The benefits was the backflow devices prevent river water running up stormwater drains, sending flood water into streets away from the river.





Largest Butterfly Valves

The largest Butterfly Valves ever exported to New Zealand are installed in the irrigation project in the Central Plains of Canterbury. Imported from Ozkan the 2500mm Butterfly valves, were part of a wider pipeline valve order.

Product needed to be on site months before installation to allow for programming time variations. In addition to this, the 2500mm and 2400mm valve were too large to fit in containers so had to be transported on double flat rack, open shipping container platforms. This also meant top stow on the container ship, protected only by the packaging provided by Ozkan.

To facilitate this, all the valves were hermetically sealed in foil packaging, then packed into their shipping crates. This prevented any salt water or spray contact while being sea freight shipped from Turkey to Christchurch. It also provided additional protection for the valves while they waited for installation.

All products delivered on time, in tack and perfect condition.

PERFECT SOLUTIONS

World leading innovative and high performance product ensures Hygrade Water infrastructure can provide a complete watermain package for projects of any scale.

The top quality and robustness of our range, delivers reliable and long life asset management - critical to pipeline integrity.



An extensive O&M manual was provided to assist the client with everything they needed for Valve maintenance. From how to stand the valves up, to care and maintenance.

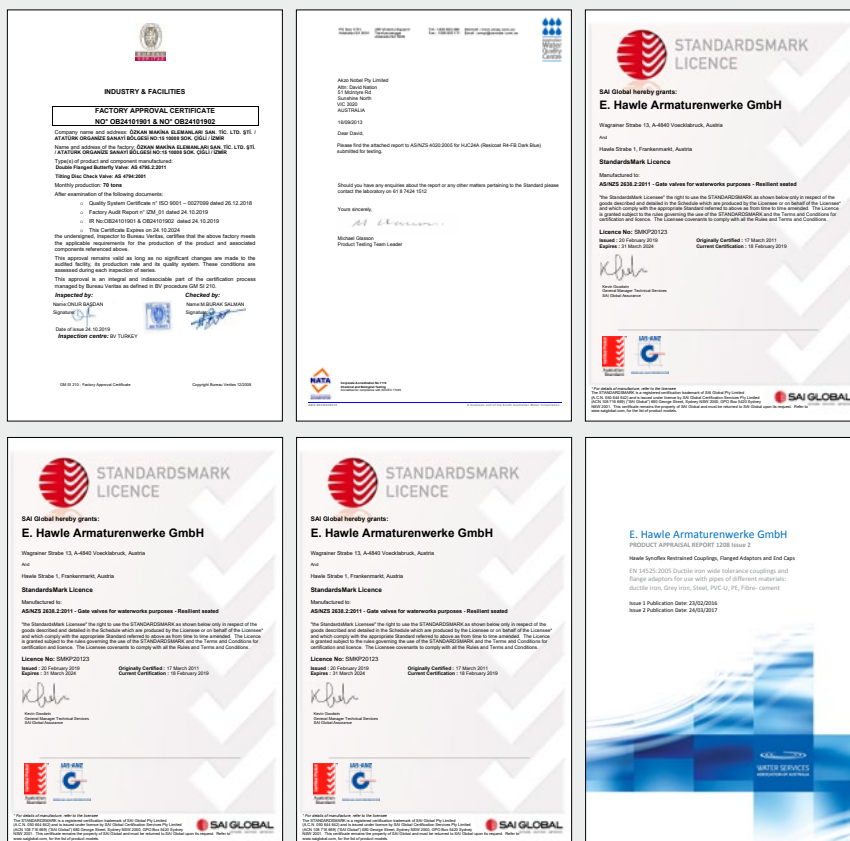
This is the table of main valves supplied.

Tag number	Size	Flange Type	Total Qty
17.01	DN2500	EN1092 PN10	2
17.02	DN2400	EN1092 PN10	1
17.03	DN2200		2
17.04	DN2000		1
17.08	DN1200	AS4087 B5 PN16	6
17.1	DN1000		1
17.13	DN700		1
17.14	DN600		3
17.16	DN500		2
17.18	DN400		1



CERTIFICATIONS

Hygrade Water Infrastructure's range of product is manufactured and tested under the controlled conditions and documented procedures of ISO 9001, to meet the performance requirements stipulated in the relevant Australia/New Zealand Standard Description AS/NZS 2638.2:2011. All products are also WSSA appraised and accepted by most authorities under this certification. If you would like further information on Hygrade Water Australia certificates, licenses and certificates of conformity please contact your local branch.





Safety Golden Rules

SAFE PEOPLE, PLACES & PRACTICES



Do not walk or work under loads



Never work under the influence of drugs or alcohol



Do not operate equipment without guards & safety devices



Protect yourself when working at height



Remain clear of exclusion zones



You must be trained and licensed to operate moving plant or equipment



Ensure all loads are stable and appropriately restrained



Energy sources must be isolated, locked, tagged and tested before working on them

V9 January 2019

Health & Safety Policy

SAFE PEOPLE, PLACES & PRACTICES

Our Vision

We all head home safe and well, at the end of each day.

We Believe

- Strong, authentic safety leadership is the foundation for our success.
- All injuries and occupational illnesses are preventable.
- All risks can be managed to as low as is reasonably practicable.
- Strong culture, which reflects trust and respect within our teams, provides a safe and healthy environment for all.
- We are all responsible for safety and wellbeing by making sure our actions or inactions do not place us or anyone else in harm's way.

We will achieve this by

- Understanding and abiding by our Golden Rules always.
- Ensuring frontline leaders are competent and accountable for health and safety.
- Setting objectives and targets that prioritise controls for our critical risks.
- Accurately reporting and recording all incidents, ensure investigations identify root causes, and there is accountability for corrective actions.
- Involving and engaging our people at all levels in the organisation so that we get the best health and safety practices.
- Encouraging an open, honest and transparent reporting culture where all workers participate in reporting incidents and health and safety events.
- Providing the necessary resources and training to make sure we have safe and healthy ways to get the job done.
- Actively managing the safe return to work of any employee who has suffered a work-related injury or illness.
- Recognising and celebrating effective health and safety performance.

Andrew Moss
ANDREW MOSS
CEO

Karl Bientnall
KARL BIENTNALL
GENERAL MANAGER

V1.11 January 2020
HS-COMDIP Hygrade Health & Safety Policy
Review Date: November 2021

Environmental Policy

Vision

It is our responsibility to reduce our environmental impact.

We Believe

- Reducing our impact on the environment is the right thing to do and makes good business sense.
- A constructive partnership with the public, industry and regulatory bodies will help reduce our environmental impact.
- The future of our industry depends on us reducing our environmental footprint and becoming more efficient.
- Our people value a business that is both an innovator and champion for the environment.

We will achieve this by

- Ensuring that we are always compliant with all legal and regulatory requirements to operate.
- Measuring and recording environmental inputs and outputs and tracking performance.
- Regularly reviewing and reporting on our environmental performance.
- Maintaining an environmental management system which includes identification and evaluation of the environmental risks associated with our business activities.
- Setting objectives and targets on a risk-based approach that prioritises controls and programmes for managing critical environmental risks.
- Continuous improvement of environmental performance and risk management.
- Supporting training programmes that build environmental knowledge and improve environmental work practices.

Andrew Moss
ANDREW MOSS
CEO

Karl Bientnall
KARL BIENTNALL
GENERAL MANAGER


V1.2 January 2020
EV-COMDIP Hygrade Health & Safety Policy
Review Date: November 2021

POLICIES

Hygrade Water recognises and implements it's obligations to ensure compliance with world best practise standards.

Continuous improvement and maintenance of quality, environmental, sustainability, quality and health and safety policies undergirds the all functions within our business operations.





Sustainability Policy


Vision
We have a responsibility to meet the needs of today without compromising the needs of those in the future.


We Believe

- We all have a responsibility and a part to play in a low carbon future.
- Reducing our impact on the world is the right thing to do and makes good business sense.
- Sustainable practices and decisions must be embedded in the way we work and do things.
- The future of our industry depends on us making positive changes for sustainability.
- Our leadership in sustainability will encourage our suppliers, customers, stakeholders and communities to also get involved.
- Our people value our business position on investing in the future and being socially responsible.


We will achieve this by

- Recording and analysing our energy and production data to understand our carbon contribution.
- Implementing projects and programmes that improve our energy efficiency and reduce our CO₂ emissions per unit of production.
- Reducing our disposal of waste to landfill through recovery, reuse and manufacturing efficiencies.
- Improving our water efficiency and minimising the impacts from water discharged from our operations.
- Offering innovative, practical solutions to customers to enable their infrastructure projects to be sustainable.
- Supporting industry education on sustainable construction practices, design principles and measures.
- Investing in our local communities including youth, neighbourhoods, communities and our people.
- Applying sustainable principles to design, manufacturing and solutions-based manufacturing.
- Partnering with market, industry, supplier and regulatory bodies to support and enhance our sustainability journey.


ANDREW MOSS
CEO


KARL BRENTNALL
GENERAL MANAGER

V1.0 January 2020
S4-COMMFP Hynds Health & Safety Policy
Review Date: November 2021



Quality Policy


Our Vision
To deliver the highest quality, value and service to our customers.


We Believe

- A customer-led approach will be the foundation to our success.
- Trust of our brand depends wholly on the quality and reliability of our processes, products and services.
- Leadership and engagement of our people will drive a quality mindset.
- Our people value a business that stands for excellence and getting it right first time.
- We all have a role to play in delivering quality product, service and experiences to our stakeholders.

We will achieve this by

- Being customer leading and sustaining long term strategic partnerships.
- Being service and quality driven to create value and meet the needs of our customers.
- Developing robust internal systems to meet business, industry and regulatory requirements.
- Ensuring products are designed, developed, manufactured and supplied meeting all relevant business, client, regulatory and legal requirements.
- Integrating quality into all roles, responsibilities and business processes.
- Analysing and monitoring performance with an aim for continuous improvement.
- Fostering clear, open, honest and quality communication between staff, teams, customers, suppliers and the public.
- Considering the needs of all stakeholders including employees, customers, owners, suppliers, local communities and society.
- Benchmarking against industry standards whilst always looking for innovations and improvements globally.
- Providing training, support and resources to ensure employees reach their full potential.


ANDREW MOSS
CEO


KARL BRENTNALL
GENERAL MANAGER

V1.0 January 2020
S4-COMMFP Hynds Quality Policy
Review Date: November 2021

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