



# DELAV PORTFOLIO

INNOVATION • QUALITY • SUSTAINABILITY

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LANDSCAPE SUPPLY

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# About us

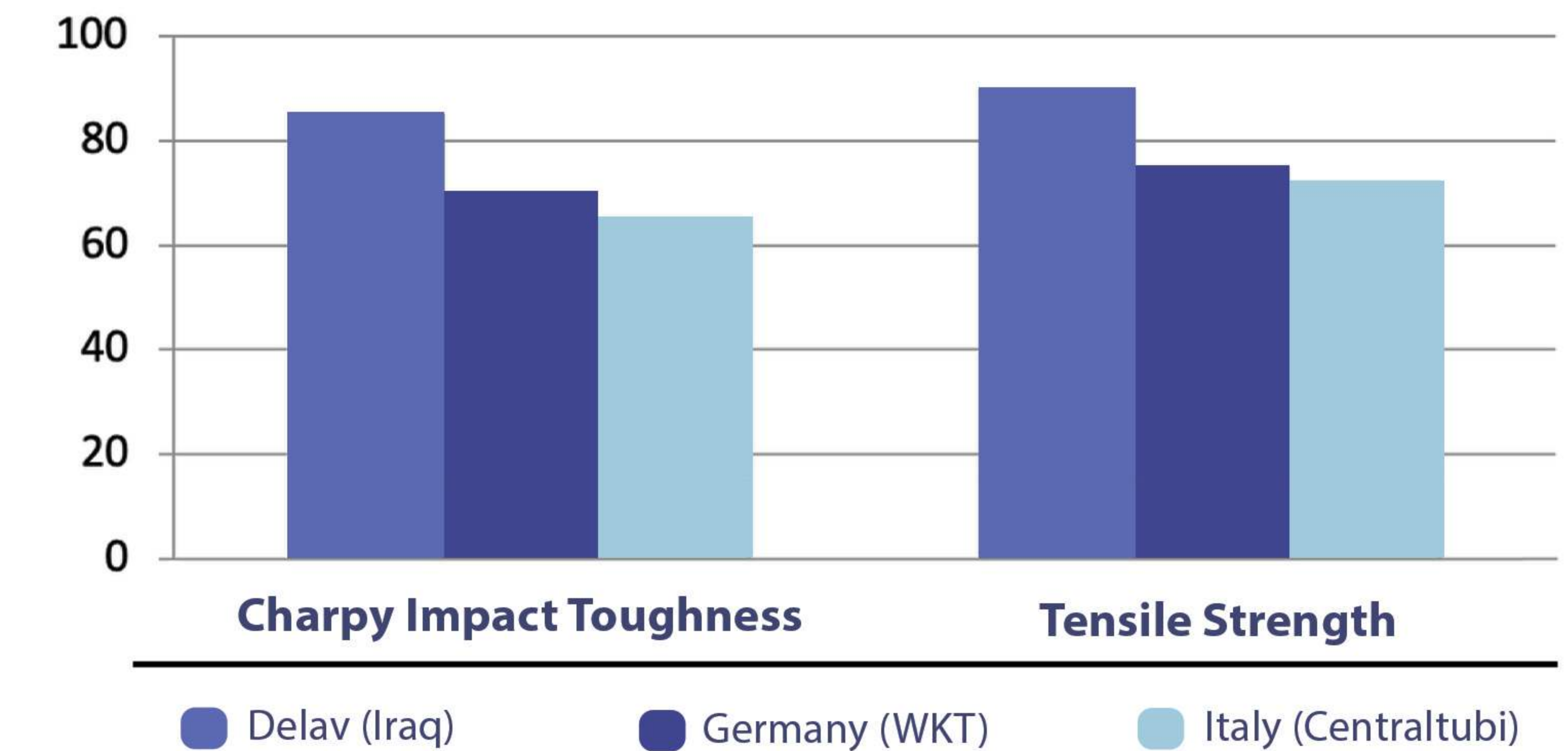
Delav Company was founded by Luqman Sheikani, a trusted leader in the agricultural and irrigation sector, with a clear mission: to deliver the best-quality PE100-RC and polyethylene piping solutions in the Middle East. As the exclusive distributor for several globally renowned brands, we bring world-class technology, advanced engineering solutions, and internationally certified quality to farmers, landscapers, and infrastructure developers.

Our state-of-the-art manufacturing facility in Erbil produces high-performance PE100-RC (Resistant to Crack) and polyethylene pipes designed to meet the most stringent international standards. These products are engineered for superior durability, long service life, and exceptional resistance to stress, making them ideal for critical applications in water transmission, irrigation networks, gas distribution, and telecommunications infrastructure.

Equipped with advanced machinery, automated production lines, and rigorous quality control systems, our factory ensures precision, consistency, and reliability in every pipe we produce. Delav PE100-RC pipes are tested to perform under the demanding environmental and operational conditions of the Middle East.

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## Delav Pipes Vs German Pipes & Italian Pipes



Metric	Germany (WKT)	Italy (Centraltubi)
Charpy Impact Toughness	18% Lower VS Delav	24% Lower VS Delav
Tensile Strength	17% Lower VS Delav	20% Lower VS Delav



Delav PE100-RC pipes outperform both German and Italian pipes in Charpy Impact Toughness and Tensile Strength. This highlights their superior durability and resistance to cracking.



Note: This research and testing were conducted by a Master's student Lashkry Haris Hamad at Salahaddin University - Erbil, College of Engineering supervised by Prof. Dr. Nazhad Ahmad Hussein.

## Our Commitment

Through strategic partnerships, technical expertise, and a deep understanding of industry demands, Delav Company ensures that agricultural, landscaping, and water management projects benefit from proven, globally trusted technologies.

# Delav Plast Factory

Delav Company proudly owns and operates Delav Plast Factory, a state-of-the-art facility specializing in the production of advanced polyethylene (PE) pipes for critical infrastructure and industrial applications. Our factory currently manufactures PE100 and PE100-RC (Resistant to Crack) pipes in diameters ranging from 20mm to 630mm, designed to operate under pressures of 4 to 32 bars. With an annual production capacity of approximately 15,000 tons, we supply high-performance piping solutions for:



**DRINKING WATER  
TRANSPORT**



**IRRIGATION  
SYSTEMS**



**GAS  
DISTRIBUTION**



**TELE-  
COMMUNICATIONS**



**CABLE CONDUIT  
DISTRIBUTION**

All products are manufactured in strict compliance with DIN 8074 / 75 PAS 1075 Type 1, EN 12201-2, and ISO 4427-2 standards.

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## Engineering Excellence for a Sustainable Future



### International Certifications & Compliance



Delav Plast Factory has obtained all international certifications and test reports required by the Ministry of Municipality and the General Directorate of Water and Sewage in Kurdistan, ensuring full regulatory compliance and exceptional quality

### KEY CERTIFICATIONS AND RECOGNITIONS INCLUDE:

- TÜV Austria Certificate of Conformity:
  - (No. 25-IS-1252-TAT-25-COC-0343) Based on PAS 1075:2009
  - (No. 26-IS-0198-TAT-COC-0058) Based on EN 12201-2:2024
  - (No. 26-IS-0198-TAT-COC-0057) Based on ISO 4427-2:2019
  - (No. 26-IS-0198-TAT-COC-0055) Based on EN ISO 17025:2012
  - (No. 26-IS-0198-TAT-COC-0056) Based on EN 1555-2:2025
  - (No. 10001260017998) Based on EN ISO 9001:2015
  - (No. 10152260017999) Based on ISO 45001:2018
- Full Quality Testing Cycle & Pipe Control: German HESSEL test reports for PAS 1075 Type 1 (PE100-RC)
- German DVGW Registration: Comprehensive evaluation of chemical composition for HDPE PE100 and PE100-RC PAS 1075 Type 1 pipes, based on TZW and DTI Lab test reports, including:
  - Formulation Assessment - TZW
  - Microbial Growth (DIN EN 16421) - TZW
  - Migration (KTW-BWGL) - TZW
  - Mechanical Tests - DTI
- British WRAS Approval: Code 240755027 – Certifies suitability for contact with potable water for domestic purposes, based on NSF Lab BS6920-1:2000 test reports.

Delav Plast is proud to operate a state-of-the-art scientific laboratory dedicated to ensuring the highest quality standards in every polyethylene pipe we produce. Our facility is equipped with modern, high-precision testing equipment capable of carrying out a full range of mechanical, physical, and chemical evaluations. This advanced infrastructure enables us to perform rigorous measurements, verify product compliance, and guarantee consistent performance across all production batches.



All laboratory operations are conducted in strict accordance with ISO/IEC 17025 the international standard for testing and calibration laboratories. This ensures that our processes meet global benchmarks for technical competence and reliability.

We are committed to the principles of accountability, integrity, confidentiality, and respect in all our testing activities. Every test result is documented with full traceability, ensuring transparency for our clients, regulatory bodies, and project partners.

## Our laboratory's capabilities include, but are not limited to:

- Dimensional accuracy checks to verify pipe diameter, wall thickness, and ovality
- Hydrostatic pressure testing to assess pipe performance under high-pressure conditions
- Tensile strength and elongation tests to evaluate material durability
- Impact resistance testing to ensure toughness in challenging environments
- Slow crack growth and stress crack resistance tests for PE100-RC compliance
- Chemical composition analysis for certification and regulatory approval

## Where Innovation Meets Proven Quality

**WRAS Britain**

**TUV PAS 1075:2009**

**TUV EN 12201-2:2024**

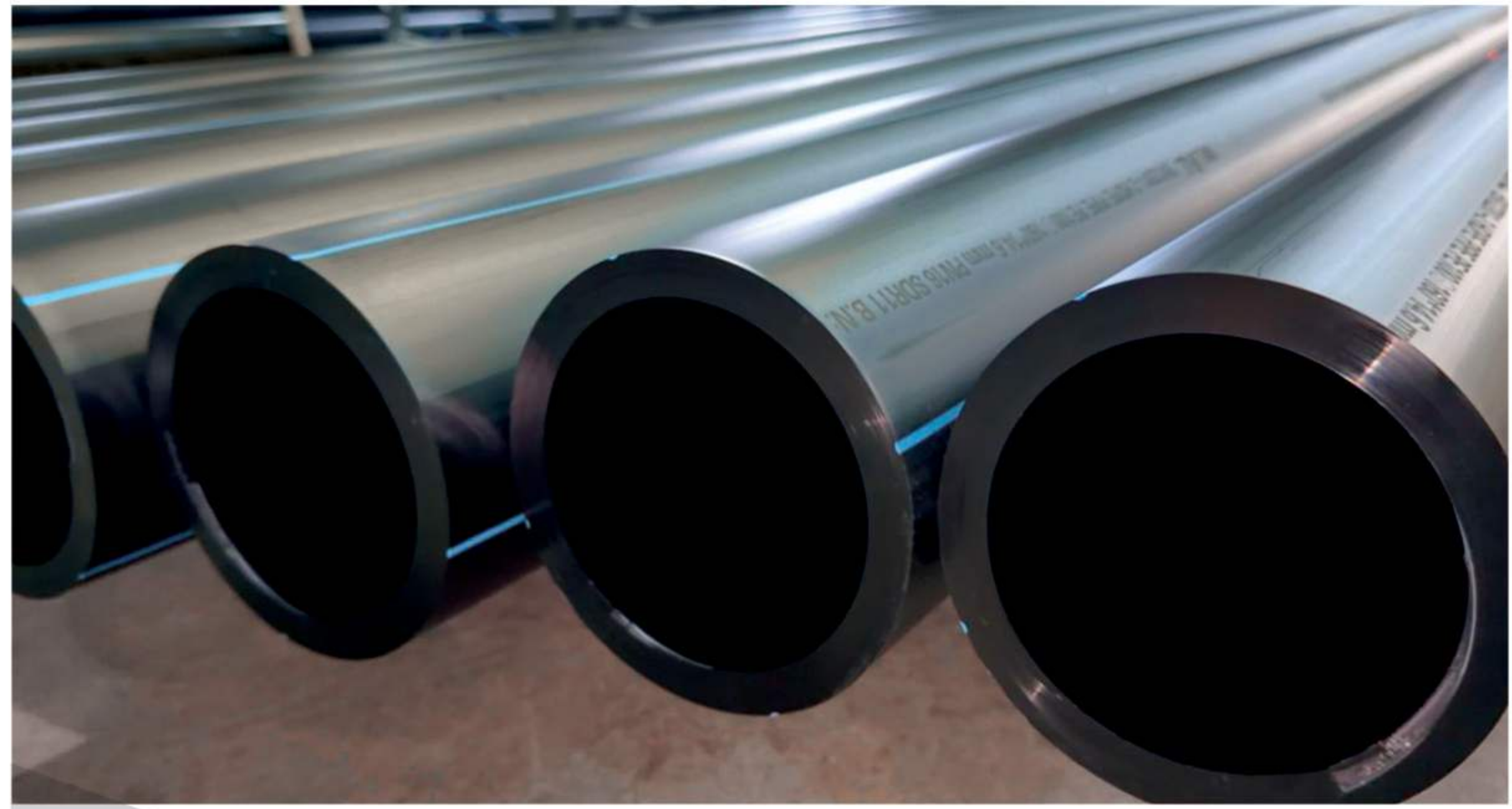
**TUV ISO 4427-2:2019**

**TUV EN ISO 17025:2012**

**TUV EN 1555-2:2025**

**TUV EN ISO 9001:2015**

**TUV ISO 45001:2018**



**HESSEL Germany**

**DTI Denmark**

**DVGW Germany**

**TZW Germany**

# Partnerships with Industry Leaders

Delav Company is proud to be the exclusive distributor in Iraq for several of the world's most respected and innovative names in the irrigation sector. By partnering with global industry leaders, we play a vital role in delivering advanced, efficient, and sustainable agricultural solutions across the nation.



## Hunter Industries (USA)

As a global leader in irrigation system design and manufacturing, Hunter Industries is synonymous with innovation, quality, and precision. From large-scale commercial projects to residential landscapes, Hunter's advanced technology ensures efficient water management and superior performance.



## AGRU (Austria)

Renowned for their strength and precision, AGRU's PE100-RC electrofusion fittings provide secure, leak-free connections and outstanding durability, making them the ideal choice for Iraq's irrigation and infrastructure projects.



## Elysee (Cyprus)

A major international producer of irrigation fittings, Elysee specialises in the complete range of components required for assembling modern irrigation and drip systems. Through our partnership, Elysee's durable, high-performance products are available to Iraq's agricultural, landscaping, and irrigation sectors.



## Poelsan (Turkey)

One of Turkey's top manufacturers of irrigation fittings, Poelsan produces essential, high-quality components for both conventional and drip irrigation systems. With Delav's nationwide reach, Poelsan's robust and reliable products are accessible to farmers, contractors, and irrigation professionals across Iraq.



## Agrodrip

A specialist in pressure-compensated (PC) dripline pipes, Agrodrip delivers technology that ensures consistent water distribution in even the most challenging environments. These systems are key to maximising efficiency, conserving resources, and supporting sustainable agriculture.

## Clients Using Delav Products

Delav Plast products have been trusted by leading companies, government bodies, and international organizations for major infrastructure, water supply, and industrial projects across the Kurdistan Region, Iraq, and beyond. Below is a selection of notable clients and projects:



### Quality Commitment

At Delav Plast, we ensure that our products meet and often exceed the quality standards of leading manufacturers in developed countries.

Every production batch adheres to 100% compliance with international norms and standards, guaranteeing durability, safety, and long-term performance.

Through its diverse portfolio of high-profile projects, Delav reaffirms its dedication to delivering premium, internationally certified products that meet the rigorous demands of critical infrastructure developments across Iraq and beyond.



Kurdistan Regional Government



Northlight Holding



Awzan Company



Mass Holding



Polas Company



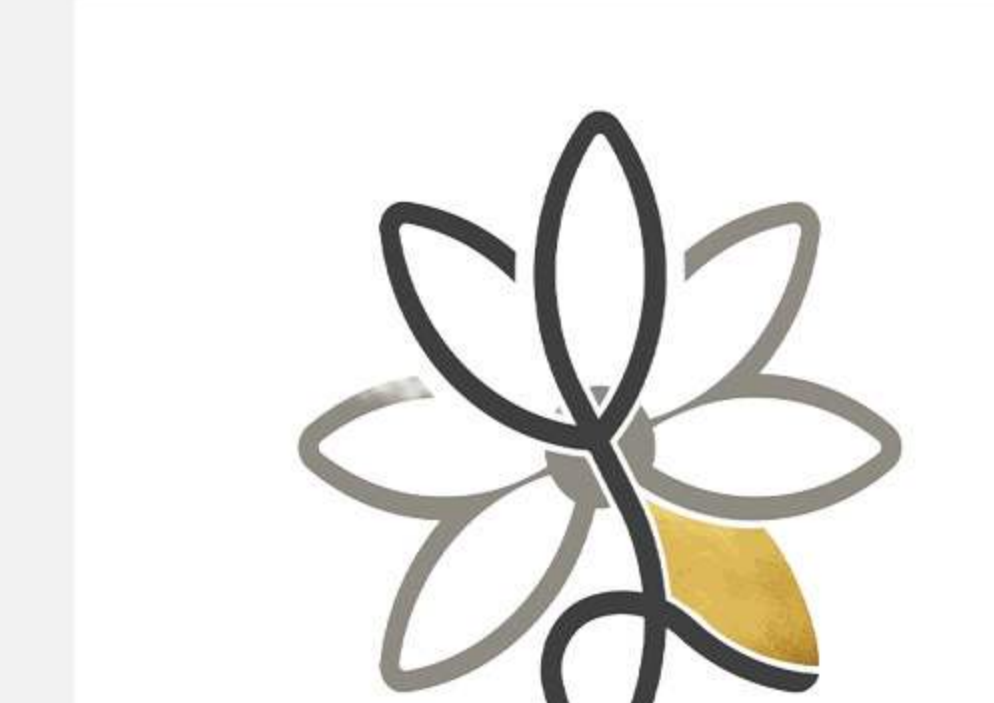
Rosneft



Lanaz Refinery



Karbala International Airport



Lalav



Kar Holding



Empire World



Slava Holding

# Projects Using Delav Products & Services



## Key Clients & Partners

- **Directorate of Water and Sewage of Erbil Surroundings** – Ongoing supply of HDPE pipes for regional water infrastructure.
- **Kar Holding** – A leading company in Kurdistan, incorporating Delav's high-quality products into large-scale projects.
- **Mass Holding** – Major regional investor utilizing Delav products in multiple infrastructure developments.

## Industrial & Energy Sector Projects

- **Rosneft (RN – Zawita and MAL Petroleum)** – 6 km of 140mm HDPE Pipe PE100, PN20, SDR9 (DIN 8074, EN 12201-2, ISO 4427-2).
- **Lanaz Refinery Company, Erbil** – 2.5 km of 315mm & 355mm HDPE Pipe PE100, PN20, SDR9 (DIN 8074, EN 12201-2, ISO 4427-2).
- **Greenland Village, Erbil** – Supply of 63mm and 75mm PE100-RC Pipes, PN16, for gas network distribution.

## Irrigation & Agricultural Projects

- **Karbala International Airport (2023)** – Complete irrigation system including pipes of various diameters, fittings, sprinklers, and controllers per project design.
- **Qushtapa Water Refinery Project** – Complete landscape and irrigation system design and implementation including components required.
- **Sarhaldan Park - Duhok** – Supply of complete irrigation system equipment for Sarhaldan park, as well as multiple parks and projects in Duhok.

## Humanitarian Water Supply Projects

- **Al Hol Refugee Camp (Syria)** – 35 km of HDPE pipes in sizes from 315mm to 50mm for an American organization's potable water project.
- **Rojhalat Refugee Camp (Soran Independent Administration)** – 9 km of HDPE pipes (125mm PN25, 110mm PN16, 90mm PN16, 63mm PN16).



## Water Infrastructure Projects

- **Qaradax Town (KNR Company)** – 5 km of 125mm HDPE Pipe PE100, PN20, SDR9 (DIN 8074, EN 12201-2, ISO 4427-2).
- **Hawija - Kirkuk (Jamal Company)** – 6 km of 160mm HDPE Pipe PE100, PN16, SDR11 (DIN 8074, EN 12201-2, ISO 4427-2).
- **Sidakan Town (2023, Soran Independent Administration)** – 10 km of 160mm HDPE Pipe PE100, PN16, SDR11 (DIN 8074, EN 12201-2, ISO 4427-2).
- **Barmiza Village (Soran Independent Administration)** – 16 km of HDPE PE100 PN16 pipes (180mm, 160mm, 90mm, 75mm).
- **Mariwan (8-Hasarok) Neighbourhood - Erbil** – 3,388 meters of 160mm PE100-RC PAS 1075 Type 1 Pipe, PN10, SDR17 (DIN 8074), supervised and implemented by Erbil Water Directorate.
- **Qushtapa Town & 72 Neighboring Villages** – Over 260 km of PE100-RC pipes supplied, in 14 different sizes ranging from 90 mm to 500 mm, with PN16 and PN25 pressure ratings, also including AGRU EF Fittings for the complete system in PN16 and PN25, under the supervision of the Ministry of Municipalities & Tourism, Kurdistan Region. Manufactured in accordance with DIN 8074/8075, EN 12201-2, and PAS 1075 Type 1.
- **Baghlumnara, Erbil** – Supply of 50 km of PE100-RC pipes in 110 mm and 200 mm diameters, PN10, including all AGRU fittings, for the water distribution network within the neighborhood.
- **Zerin City, Kalar** – Supply of PE100-RC pipes in 5 different sizes ranging from 110 mm to 250 mm, PN10, with a total quantity of 6,750 meters, for the city's water distribution infrastructure.
- **Tablo City, Kalar** – Supply of PE100-RC pipes in 110 mm, 160 mm, and 180 mm diameters, PN10, with a total length of 3,190 meters, including all required AGRU E-Fittings, for the water distribution network.
- **Brusk City, Kalar** – Supply of PE100-RC pipes in 110 mm, 180 mm, and 250 mm diameters, PN10, with a total length of 4,400 meters, including a complete collection of AGRU E-Fittings, for the city's water distribution network.

## Why Choose Delav Plast Products?



### Competitive Pricing

- ✓ 20–25% lower cost than comparable international products.
- ✓ Significant budget savings without compromising quality



### Flexible Pipe Lengths

- ✓ 20–125mm: 100m rolls
- ✓ 125–630mm: up to 16m lengths (vs. 12m imports)
- ✓ Fewer joints, greater installation flexibility



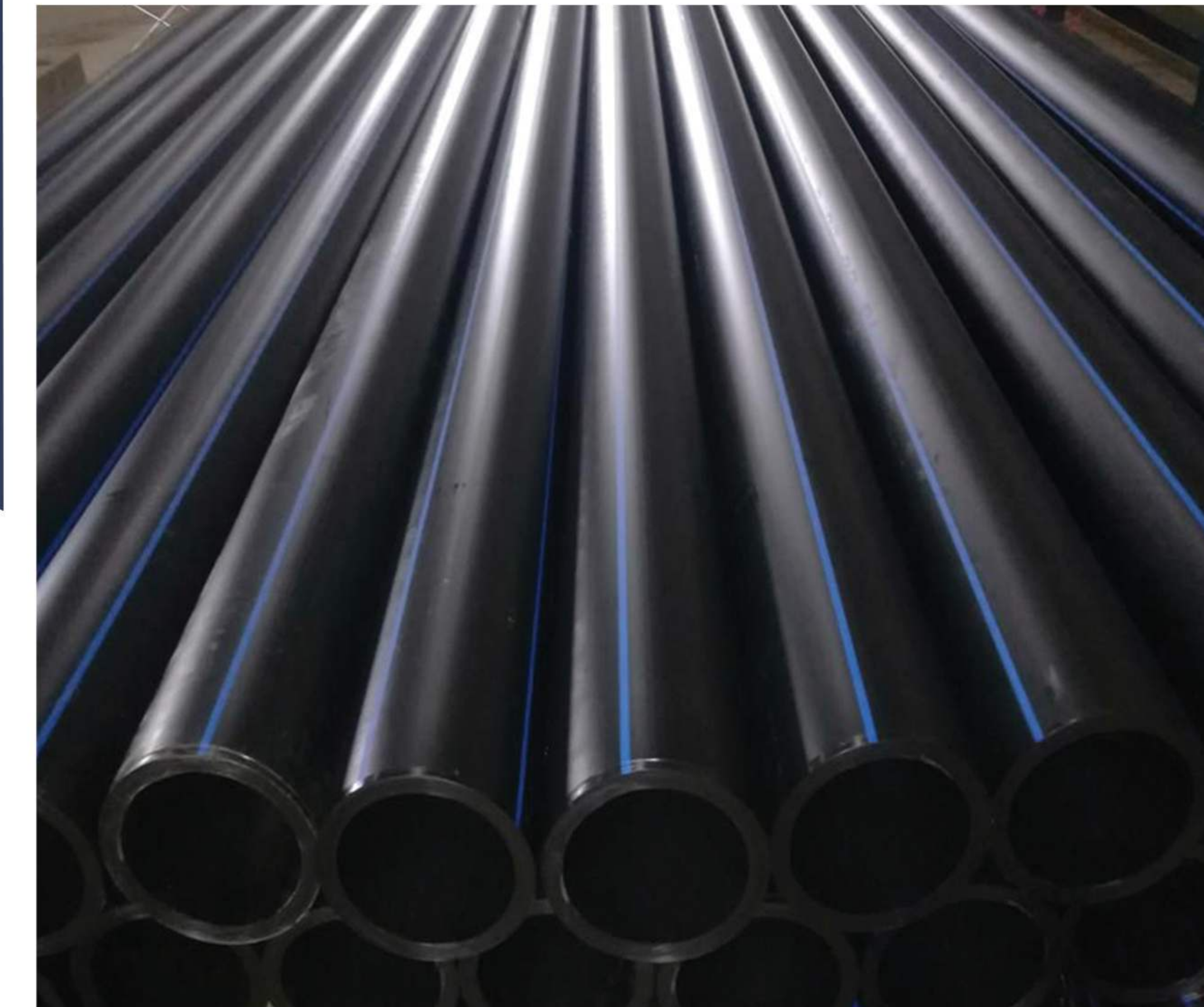
### Reduced Coupling Needs

- ✓ From 20 couplings per 1000m down to far fewer, resulting in %25 fewer couplers quantity and cost
- ✓ Saves on fittings cuts labour, energy & inspection costs , Extends pipe lifespan , Improves efficiency



### Faster Project Completion

- ✓ Optimised materials and fewer connections
- ✓ Efficient workflows that reduce overall project timelines



**Saving Costs, Increasing Efficiency, Supporting Growth**



Delav Plast success is built on precision, reliability, and continuous improvement. By combining advanced manufacturing processes with skilled craftsmanship, we consistently deliver high-quality products that meet strict industry standards. Our commitment to efficiency, on-time delivery, and customer satisfaction has enabled us to build long-term partnerships and grow sustainably, positioning Delav Factory as a trusted and competitive producer in its field.





## Feedbacks

 **General Directorate of Water & Sewage of Kurdistan Region Government**

“PE100-RC pipes supplied by Delav Plast were successfully used in a major water project and fully complied with unified technical specifications. Independent testing at HESSEL Laboratory in Germany confirmed excellent performance and quality.”

 **Northlight Holding / Awzan Company**

“Delav Company demonstrated outstanding professionalism and technical capability in supplying high-quality PE100-RC HDPE pipes for a large-scale water supply project. The products met all international standards and performed reliably throughout execution, supporting long-term infrastructure sustainability.”

 **Shams Dora Al-Iraq Company**

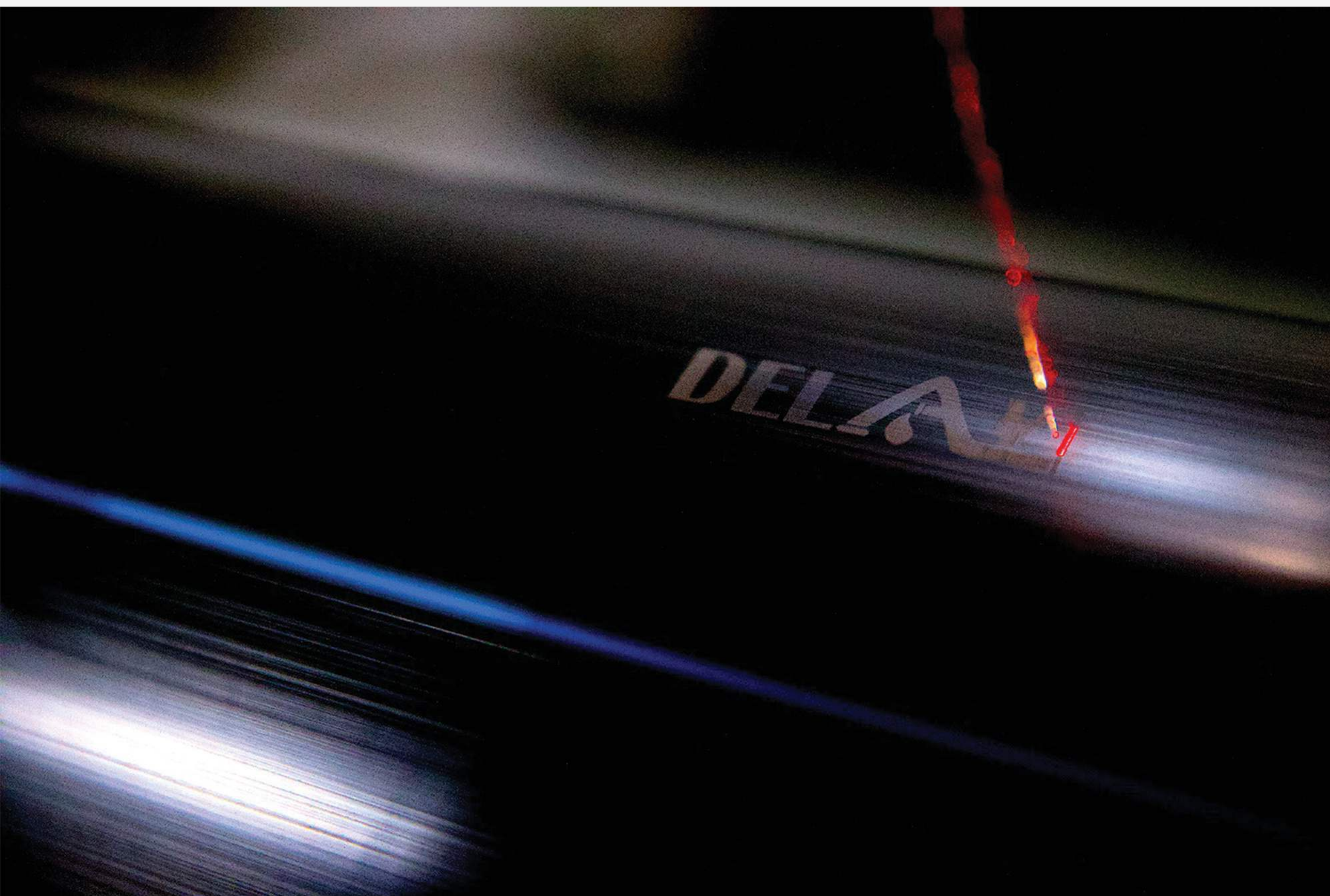
“Delav Plast Factory has consistently delivered high-quality pipes that meet our technical requirements and project standards. Their professionalism, reliability, and commitment to quality make them a trusted partner for our projects.”

 **I.K.KARDISI Company**

“The polyethylene pipes supplied by Delav Plast demonstrated exceptional quality and durability, playing a key role in the successful execution of our large-scale project. The professionalism, timely delivery, and technical support provided exceeded our expectations.”

 **Noor Jamal Company**

“The polyethylene pipes supplied by Delav Plast demonstrated excellent quality and full compliance with approved quality standards. The products performed reliably across multiple water projects, reflecting high manufacturing precision and consistency.”



Our PE100-RC pipes are manufactured using advanced polyethylene compounds with enhanced resistance to slow crack growth and point loading. Designed for demanding installation conditions, they allow for trenchless and sand-free laying while maintaining high pressure performance, long service life, and excellent resistance to chemicals and environmental stresses.

Where innovation meets quality  
and sustainability defines the future