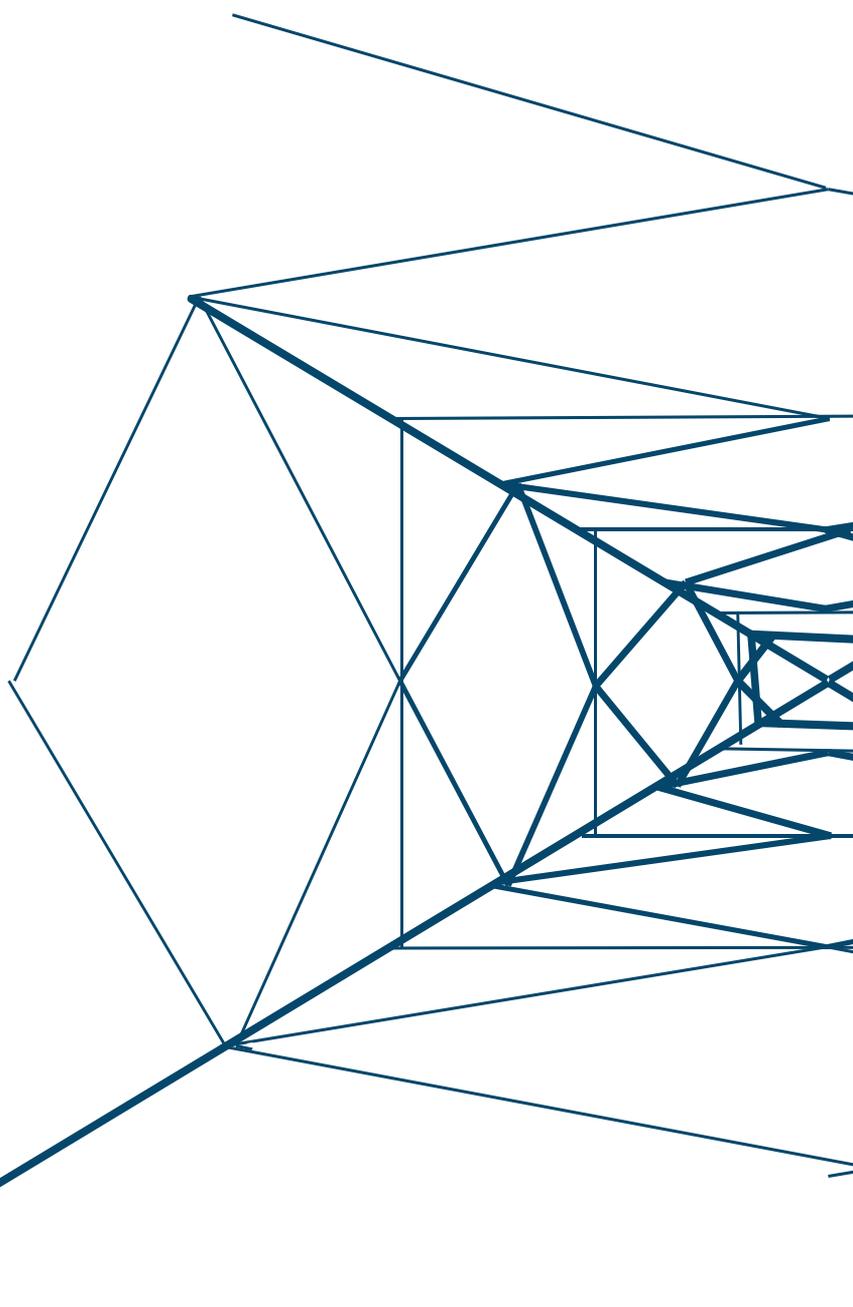




**ELSEWEDY
WATANYA**

DELTA SN-100 PIVOT IRRIGATION SYSTEMS





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DELTA SN-100
PIVOT IRRIGATION SYSTEMS

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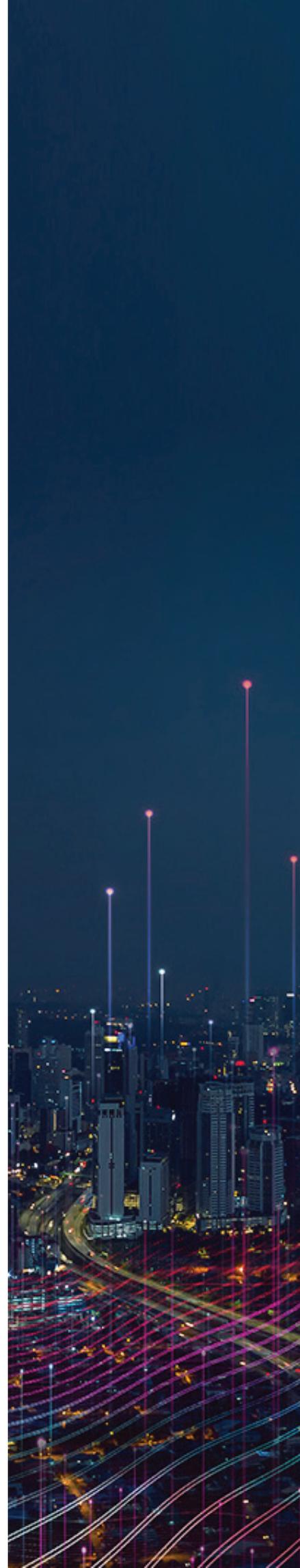


ABOUT US

A global leader that has evolved from a local manufacturer of electrical products into an integrated infrastructure solutions provider; with over 19,000 employees and more than USD 5 billion market capitalization. We Operate in five key business sectors: Wires, Cables & Accessories, Electrical Products, Engineering & Construction, Digital Solutions, and Infrastructure Investments. With a strong presence in 19 different countries, 31 production facilities spread across African and Asian countries including Egypt, Algeria, KSA, Qatar, Indonesia, Pakistan, and Tanzania.

We export a wide range of high-end products to over 110 countries worldwide. At the heart of our approach is an all-in-one integrated Engineering, Procurement & Construction (EPC) service, enabling us to deliver the most complex turnkey projects on time and with the highest efficiency.

WE OPERATE IN FIVE KEY BUSINESS SECTORS:





Wires, Cables
and Accessories



Electrical
Products



Engineering
and Construction



Digital
Solutions



Infrastructure
Investments



ABOUT DELTA PIVOT

DELTA Pivot Systems hold a strategic importance to the African continent. We are committed to a sustainable future while conserving resources, generating foreign exchange and giving back a significant return to our shareholder, DELTA is for Africa – in Africa – by Africa.

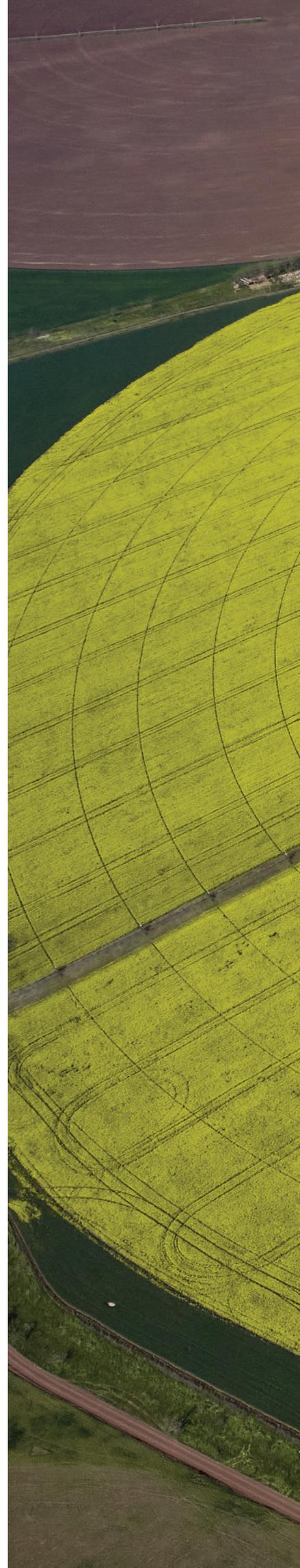
We are closely aligned with the sustainable development goals, specially: reducing hunger, good health, economic growth, industry innovation and infrastructure, responsible production, life on land and in water and climate action.

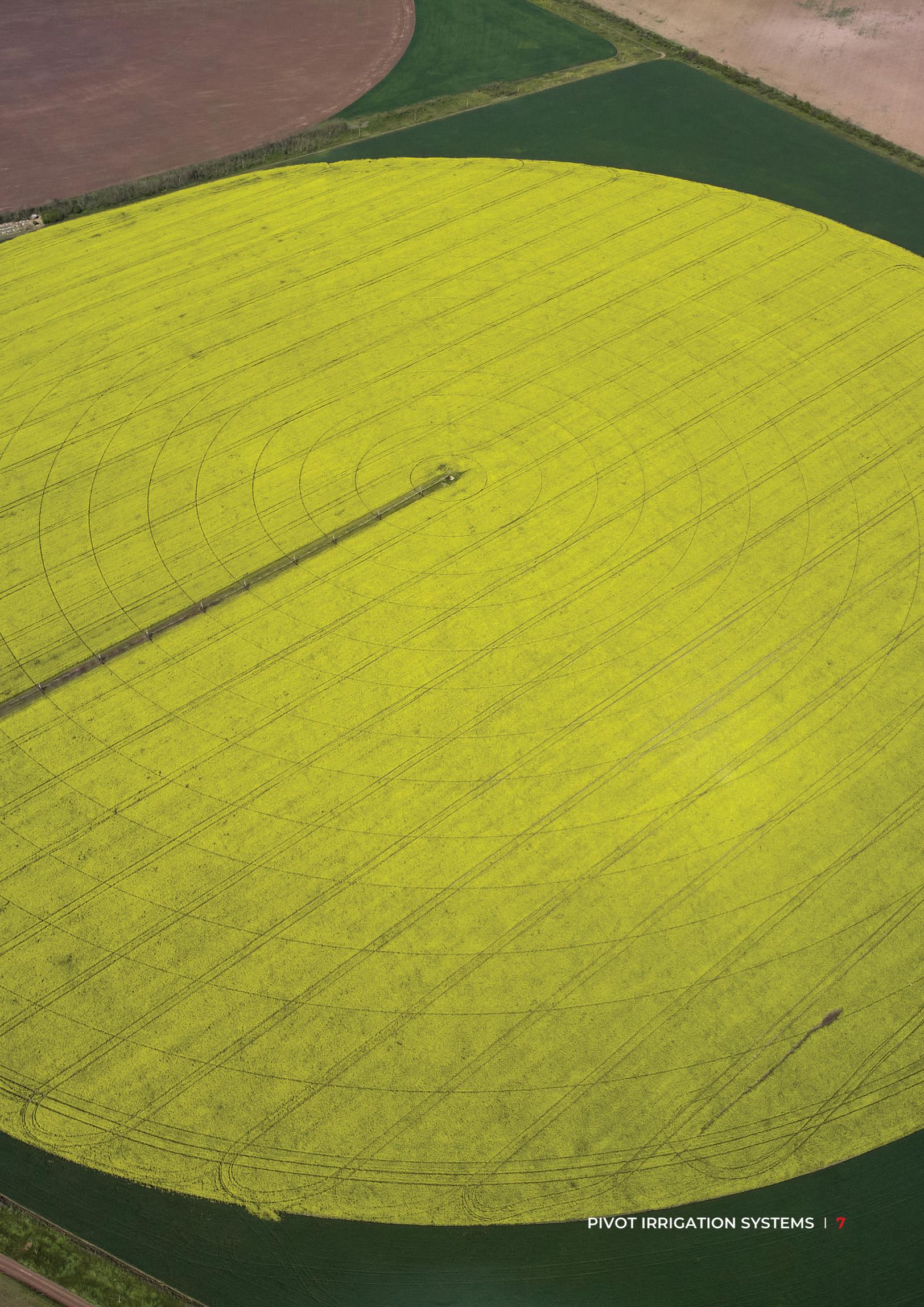
Our strategy seeks to reinforce our position as a member of the sustainable energy industry, in order to provide competitive high-quality products, on-time deliveries, working safely and going the extra mile to exceed our customer's expectations

DELTA TECHNOLOGY

DELTA Platform technology allows manual and remote irrigation management of our center pivot systems.

It permits remote programming, monitoring and control of the control panel, system diagnostics of the pivot, remote monitoring and control of the associated pump systems, monitoring of soil moisture, weather station information and supply irrigation recommendations to the farmer.”





TOWERS

KEY CHARACTERISTICS OF OUR NEW DESIGN.

- Pipes Size (5, 6 5/8, 8 5/8 inch).
- Span length (48, 54, 60 Meter).
- Profile Height (standard, High profile).

KEY BENEFIT OF OUR DESIGN TO THE PIVOT IRRIGATION SYSTEM.

- Balanced load along all the tower length.
- The use of various solutions based on each project requirements.
- System compatibility with different soil types and different application requirements.





ELECTRIC COMPONENTS

LOCAL CONTROL PANEL

The local control panel is designed to operate in outdoor conditions , controlled manually or remotely.

Specifications:

- . The panel has touch screen to be manually controlled.
- . The panel can be controlled remotely through different of programmable systems (SCADA, GSM or radio)
- . The panel enclosure rate is IP54



TOWER BOX

- . Maintaining the integrity of the pivots electrical parts that control the movement of the towers.
- . Maintaining the pivot's integration during the rotation.
- . The tower box is a well-insulated device to limit the access of water and dust.



ELECTRIC CABLES

Using Elsewedy Irrigation cables which are used for electrically controlled irrigation and sprinkler systems. They are suitable for direct burial/exposed and are designed to give outstanding performance at operating temperatures up to 70°C.

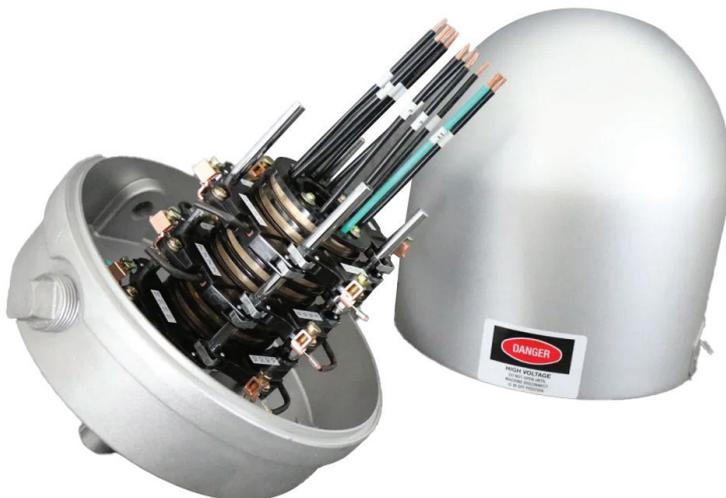
. CU/XLPE/PVC cables are used in industry for voltage up to 0.6/1kV. This is suitable for outdoor installations.

. CU/PVC/PVC cables for voltage up to 0.6/1KV. Suitable for outdoor installations



COLLECTOR RINGS

The collector ring is made of stationary brass rings with contact brushes that rotate around them. This assembly makes it possible to supply continuous power and a signal voltage to the motors and control the center pivot irrigation system.





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MOTION COMPONENTS

CENTER DRIVE MOTOR

The center drive motor is the newest high performance helical center drive and designed for use on center pivot irrigation systems. The design offers a long lifespan and quieter operation.



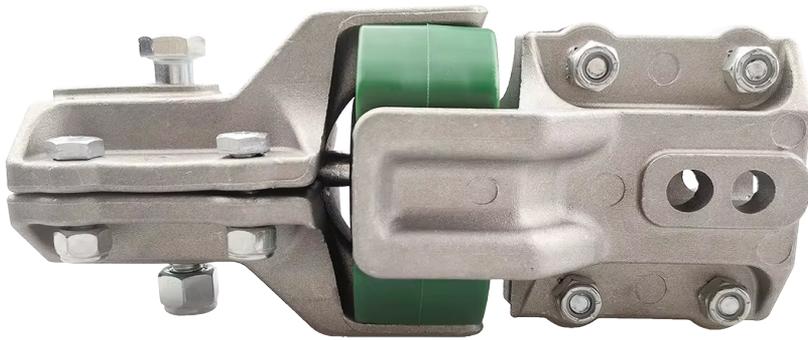
GEARBOX

The gearbox is customized to give higher performance and longer lifespan. Designed with materials that allow for increased load capacity and the maximizing of the gear life. Variety of models are available to meet each project requirements.



COUPLER

The coupler is a shock attenuating drive connection between the center drive gear motor and the final drive gear box. Available in variety of sizes and configurations to meet any center pivot requirement.



TYRES

The tyres are manufactured for irrigation applications with center pivot systems. Specially designed tread patterns which provide excellent traction and outstanding self-cleaning property.







SPRINKLERS

SENNINGER I-WOB2

Distribute water in an instantaneous, uniform application pattern over a large area. Their low operating pressures and larger droplet sizes result in very low evaporative loss and greater irrigation efficiency. The combination of a rotating grooved deflector with wobbling action delivers a consistent droplet size over a large area of coverage at low pressure.



NELSON

Nelson Sprinklers produce a wider pattern result in a lower application rate, reduced runoff and longer soak time. The Rotator greatly improves uniformity because of the increased overlap from adjacent sprinklers.



KOMET

The current product range spans from high-pressure sprinklers such as the Komet Twin Ultra line (for use in agriculture, sports-turf irrigation and dust control, as well as industrial wastewater and mining applications) all the way to the Komet Precision Twister (also available as a top-of-pipe variant for taller crops), or the highly innovative Komet Precision Wave for end-of-system application.



OUR SERVICES

PRE-SALES

Providing a complete design solution that includes pumping systems, infrastructure networks, pipeline networks, Turnkey reclamation works, roads construction, micro-tunnelling & pipe jacking, water treatment solutions and center irrigation pivot systems.

Water & energy management by applying solutions to optimize the systems consumption using a software models.

AFTER-SALES

• Installation

24\7 available service team of fully qualified installation and commissioning engineers and technicians to ensure that the customer receives a functioning and operational irrigation system.

• Maintenance

24\7 available service team of fully qualified maintenance and breakdown engineers to ensure that the customer receives a prompt repair service when required.

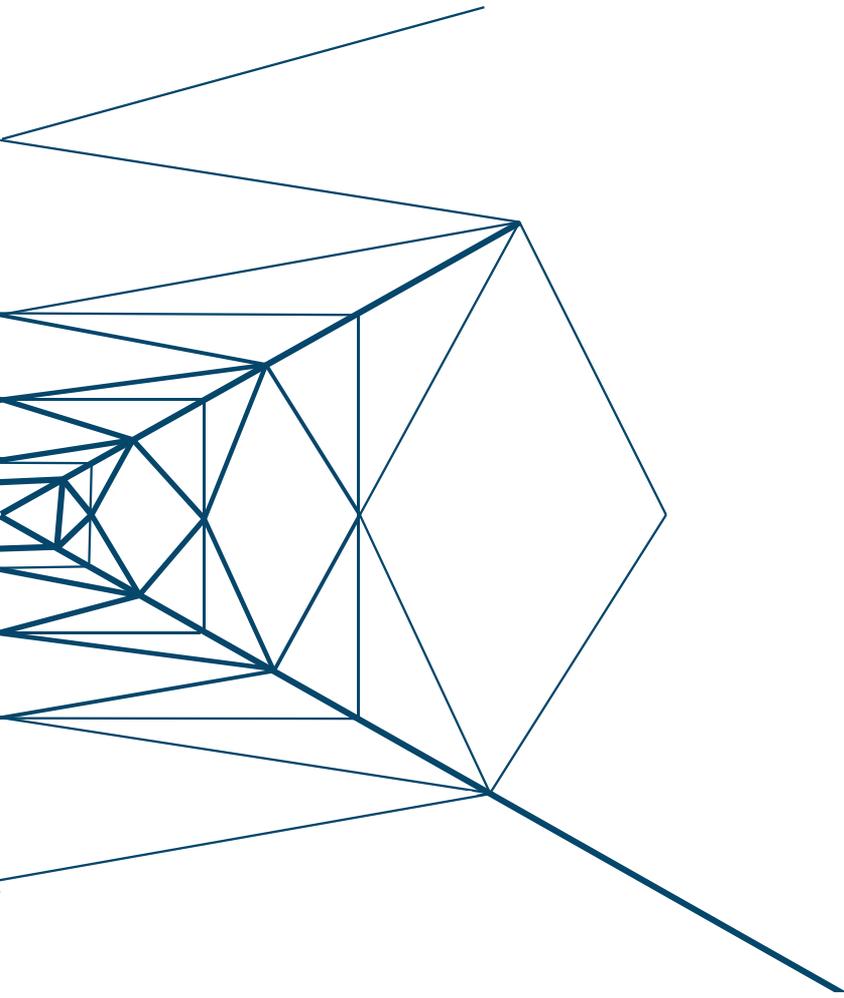
• Spare parts

- Maintenance and installation spare parts are readily available when required for DELTA systems off the shelf from our stock holding.
- Maintenance and installation spare parts for anyother pivot systems are available and compatible with all brands.



CERTIFICATES





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