



CENTRE PIVOT IRRIGATION

WATER



SAVE THE WORLD



ABOUT US

Margalla Green - A product of Margalla Heavy Industries Taxila, having legacy of excellence in manufacturing, teamed with designers and engineers to craft cutting edge Centre Pivot Irrigation System. We prioritize precision and technology integration to design and manufacture Irrigation Systems that embody efficiency, reliability and sustainability.



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MISSION

Revolutionize the agricultural landscape through manufacturing of cutting-edge Smart Irrigation Systems to enhance crop yield and conserve precious resources.

Our mission extends beyond product excellence, quality and craftsmanship to provide long term partnership with local farmer in terms of sustainability of installed Pivots.

VISION

Thrive in Agri modernization by contributing to Economic Activity of Pakistan through Import Substitution

CENTRE PIVOT IRRIGATION SYSTEM



وَنَزَّلْنَا مِنَ السَّمَاءِ مَاءً مُبْرَكًا فَأَنْبَتْنَا بِهِ جَنَّاتٍ وَحَبَّ الْحَصِيدِ

And we sent down the auspicious water from the sky, producing Gardens with it, and the grain that is harvested. (surah qaaf, verse 9)

Less than 1% of the ground water is available for the mankind

H₂O
1%

More than 70% of this tiny quantity goes to agricultural uses

It is fundamental to optimize the use of this water quantity

Furthermore, the world population keeps increasing in number. In 2050, we will be a bit less than 10 billion people

It is our present, it is our future. A hungrier and hungrier and, most of all, thirstier and thirstier planet.

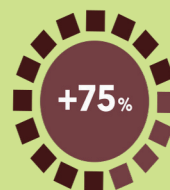
The outdated irrigation systems reduce the water availability for the local communities and for the environment in general. Obsolete irrigation practices jeopardizes the productiveness of the fields and cause serious economic and social damages. Smart irrigation can save..



**CORN
HARVEST**



**POTATO
HARVEST**



**COTTON
HARVEST**

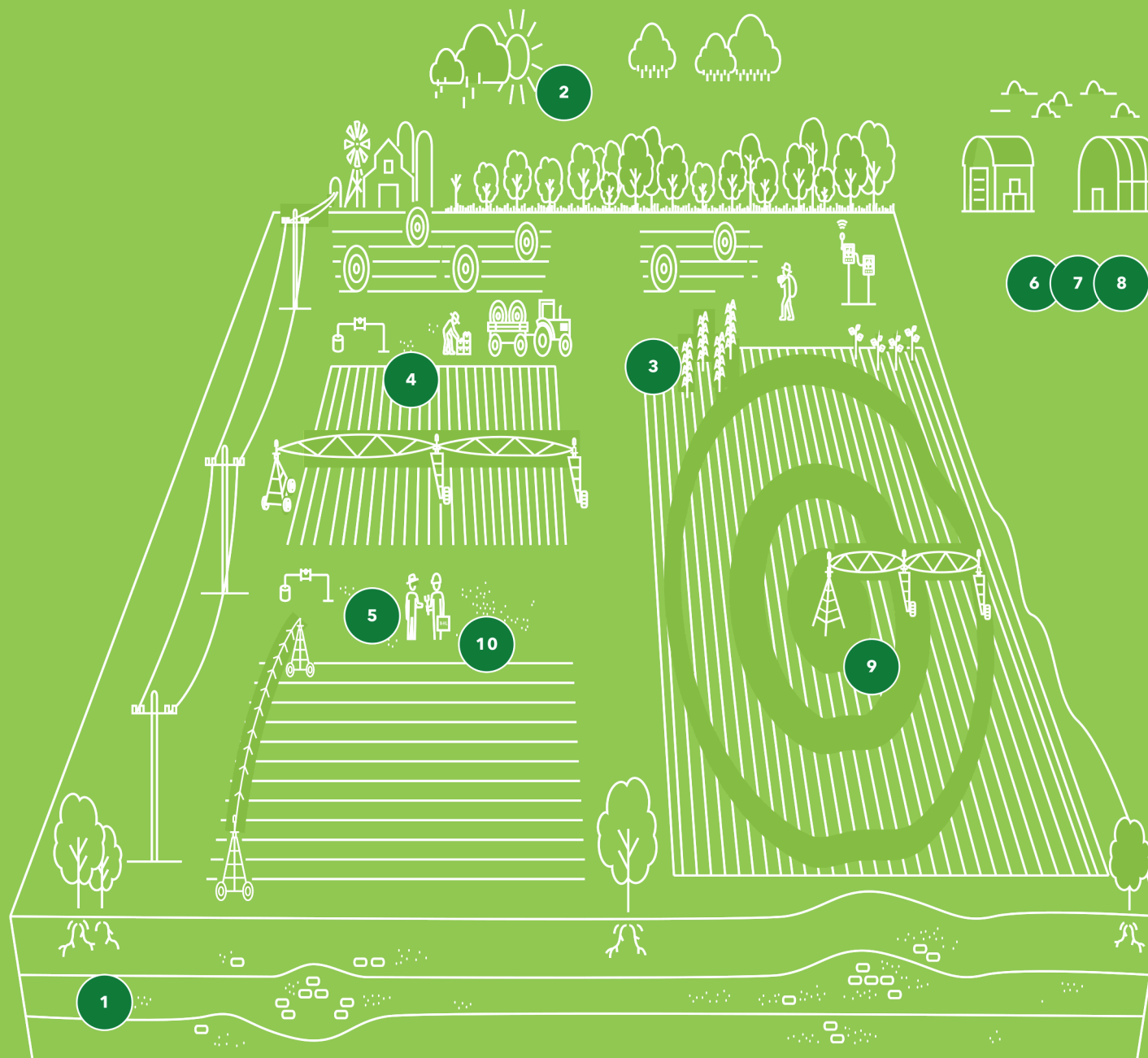


**WHEAT
HARVEST**





THINKING BEFORE MAKING



STEP 1

Soil, size and field shape, difference in height and relief



STEP 2

Weather forecast



STEP 3

Cultivation, plant, specific water needs. Method of water application



STEP 4

Available resources (water, electricity, implementation etc)



STEP 5

Specific client's needs. Economic survey: Investment costs and usage costs



STEP 10

Customer service, spare parts, and maintenance



STEP 9

Installation, implementation



STEP 8

Logistics, preparation, and shipment



STEP 7

Production with Quality Control



STEP 6

Project concept, creation and sizing of water and electric supply

CENTRE PIVOT IRRIGATION SYSTEM



Advantages

WATER EFFICIENCY

Delivering water directly to the roots, reducing evaporation and runoff



MAXIMIZING CROP YIELD

Smart Irrigation System ensures uniform water distribution across the field



LABOUR & TIME SAVING

Requires minimal labour, saving time & resources



FERTIGATION & CHEMIGATION

Uniform application of nutrients & pesticides through smart system

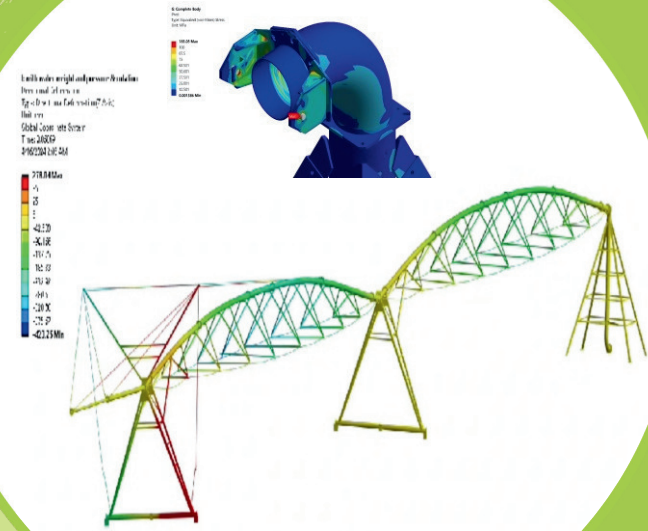




DESIGN

● Designing:

Simulation softwares, Finite Element Analysis & intricate hard work of electrical and mechanical engineers.



● Precision Engineering:

Crafted with meticulous precision, utilizing cutting-edge engineering to ensure optimal performance and longevity.

MANUFACTURING



● Sustainable Manufacturing:

Employing sustainable manufacturing practices, minimizing waste and energy consumption.

● Advanced Technology Integration:

Embracing the forefront technology, our manufacturing process incorporates advanced automation to enhance the efficiency and effectiveness of our Pivots.



● Quality Assurance:

Rigorous quality control measures are integral to manufacturing process, guaranteeing that each component and system undergoes thorough testing to meet the highest standards of reliability.





CONFIGURATIONS

MG 1001 LP

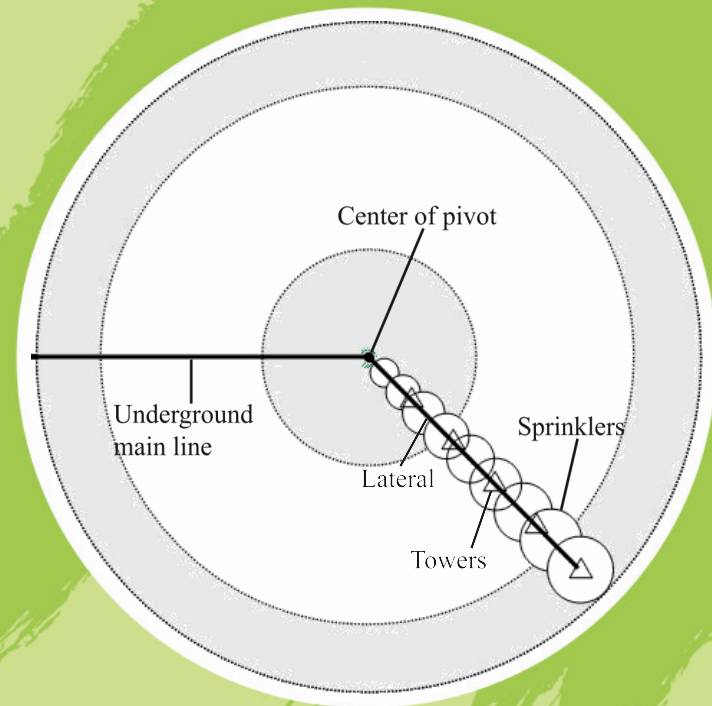
- Low Profile 8ft height

MG 2001 SP

- Standard Profile 12ft height

MG 3001 HP

- High Profile 15ft height



- Available in 6 5/8 & 8 5/8 Inches Spans
- 5 ~ 250 Acre Sizes
- Manual / Digital Control Panel
- Imported / Local Tyres / Rims
- UMC / Local Gear Boxes & Motors
- Nelson / Komet / Senninger Sprinklers

ACCESSORIES



INDIGENIZED



FINAL THOUGHT



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GREEN**

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