

IMAIGG

Smarter Water,Grow Easier

Shenzhen - China 2026

4G/LoRa Dual Network irrigation solution

About us

Redefining Partnership,Beyond Hardware

Since iMaigg founding in 2009, we have strategically evolved through smart irrigation for homes and agriculture, to establishing certified in-house manufacturing and integrating AI.This journey was never just about changing products, but about building an integrated stack of proven capabilities: hardware design, reliable manufacturing, and intelligent software.

Today, this foundation defines our singular role: to be your Enabling Hardware Partner. We provide the certified, responsive foundation upon which you can build your unique solutions with confidence.

25
Patent Registered

15
Innovative Technology

Rewards



Partnership

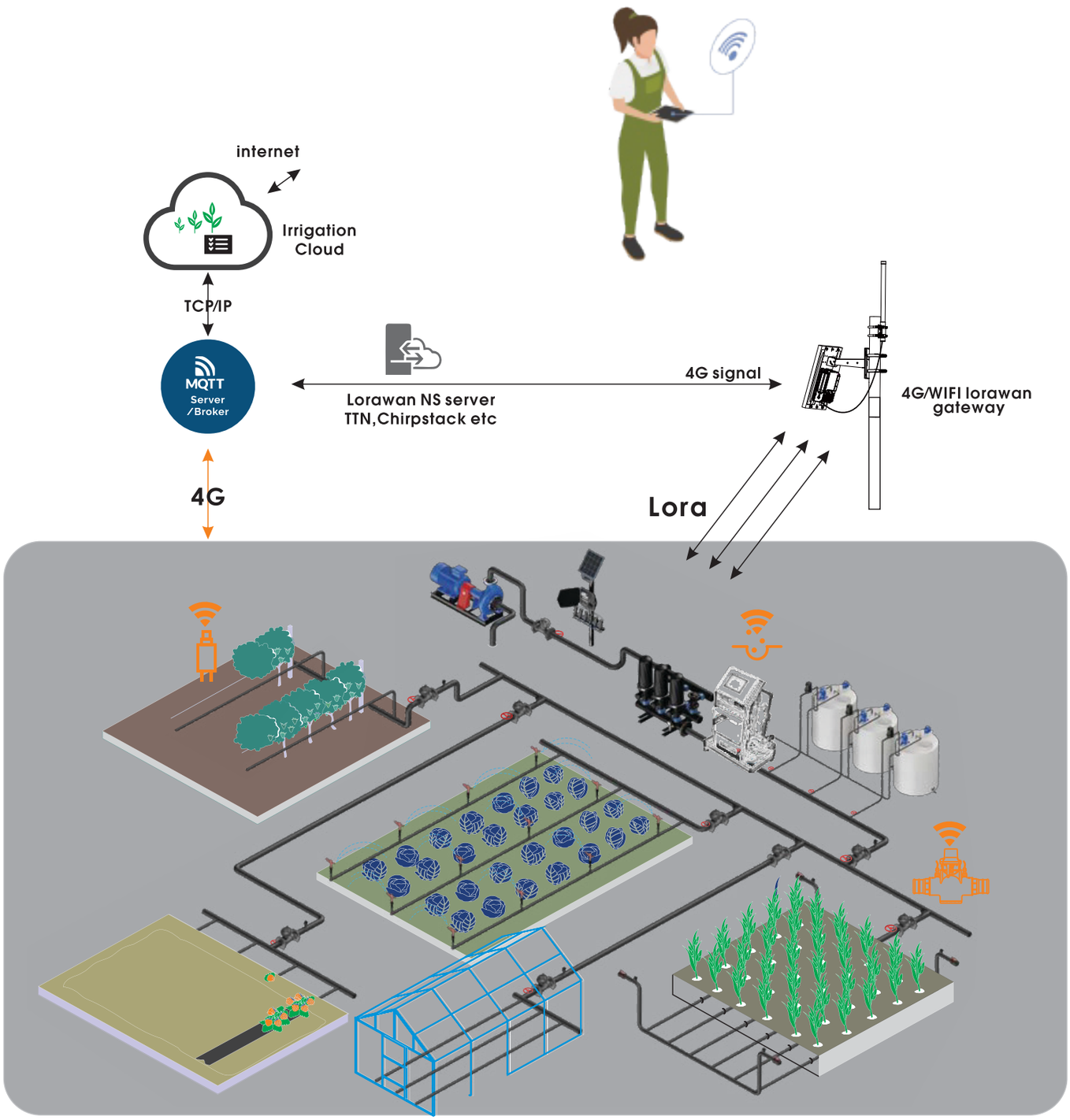
- 内蒙古农业大学 Inner Mongolia Agricultural University
- 甘肃农业大学 Gansu Agricultural University
- 中国农业大学 China Agricultural University
- 中国热带农业科学院 Chinese Academy of Tropical Agricultural Sciences
- 南京农业大学 Nanjing Agricultural University
- 新疆农垦科学院 Xinjiang Academy of Agricultural and Reclamation Sciences
- 农业部新疆勘测设计院 Xinjiang Survey and Design Institute of the Ministry of Agriculture

4G/LoRa Dual Network

Traditional irrigation has challenges on wiring hassles, dead zones, or manual pump-valve control. Our new solution enables you just set your smart pump-valve link in the app, and get auto watering — timed, metered, zoned — over 4G/LoRa.

Advantage

- ✓ Valve/Pump link
- ✓ Save water 30%~50%
- ✓ Offline irrigation supported
- ✓ Solar Powered system
- ✓ Multi-valves constant pressure adjust





Core Advantages

- Ultra-low power
  30Days standby, no sunlight needed
- Reinforced nylon
  Withstands extreme temps, no deformation
- UPVC ball valve
  Full-bore, zero leakage, precise control
- **Smart rotation irrigation**
  Multi-unit sync for reliable operation
- **One-touch constant pressure for multi-outlets**
  Assure crop growth in average
- **Enhanced signal**
  4G/LoRa/lorawan optional

Multi-size/connection Meet up different scenarios



UPVC
Inlet/outlets
Threaded



Ceramic
Seal



Horizontal
Pressure/flow
T Valve



Vertical
Pressure/flow
Valve



Pressure/flow
Split Valve

Female Threaded	Ceramic Seal	Horizontal Install	Pressure flow all inone	More Directions
Dual Pressure	More Durable	T/L flow	T/L flow	T/L flow
Inlet:110/90 Outlets:90/75	Inlet:110/90 Outlets:110/90/75	Inlet:110/90 Outlets:110/90	Inlet:90 Outlets:90	Inlet:110/90 Outlets:110/90



Core Advantages

- Ultra-low power
  30Days standby, no sunlight needed
- Reinforced nylon actuator
  Withstands extreme temps, no deformation
- 0–100% Open rate adjustable
  Full-bore, zero leakage, precise control
- Smart rotation irrigation
  Multi-unit sync for reliable operation
- One-touch constant pressure for multi-outlets
  Assure crop growth in average
- Enhanced signal
  4G/LoRa/lorawan optional

Universal
Thread/Solven/Flange
Agri/Landscape



UPVC
Double Union
Valve



PP
Dual Female
Threaded
Valve



PP
Thread to Fitting
Valve



UPVC
Butterfly
Valve



Solar powered
Valve Controller

Double Union
Thread/Solven
Available size
DN15~DN100

Pressure Optional
Threaded
Available size
DN50~DN80

Thread To fitting
Pressure Optional
Available size
DN80/100

Easy Installation
Pn16 Resistant
Available size
DN50~DN150

2x Valves control
4G/Lorawan
Available inputs/outps:
- 2xvalves
- soil x1
-rain x1
- pressure/flow x2

Water Smarter • Grow Easier

5-way Smart Valve

Solar Battery +4xPressures

T/L Optional



4 x outlets valve allows
for larger irrigation areas and lower costs per acre.
Ceramic hard seal provides wear and erosion resistance.



Key Features:

- 4 x pressures monitoring
- Single Open/Dual Open optional
- Inlet: 110/90
  Outlet: 90/75
- Inlet and outlet sizes can be freely combined



Solar Powered

Main Pipe Irrigation Valve

DN150-DN400

High Torque-IOT control-Solar Powered

- **Solar-powered:**
  no AC wiring needed.
- **Unified platform:**
  Works with smart three-way, straight-through, and butterfly valves.
- **Lower construction costs:**
  N trenching or cable burial.

Model	Size	Scenarios
MQ-2D-150	**DN150**	Branch pipe inlet, zoned control
MQ-2D-**200**	**DN200**	Main pipe sectional control
MQ-2D-**300**	**DN300**	Main inlet/post-pump control
MQ-2D-**400**	**DN400**	Large pump station outlet

4G/LORA Gateway

1-4KM Coverage

- **60xDevices** connection Max
- **Large area covered**,1-4km
- **Offline irrigation** with LAN signal
- Solar power battery:30W/20AH

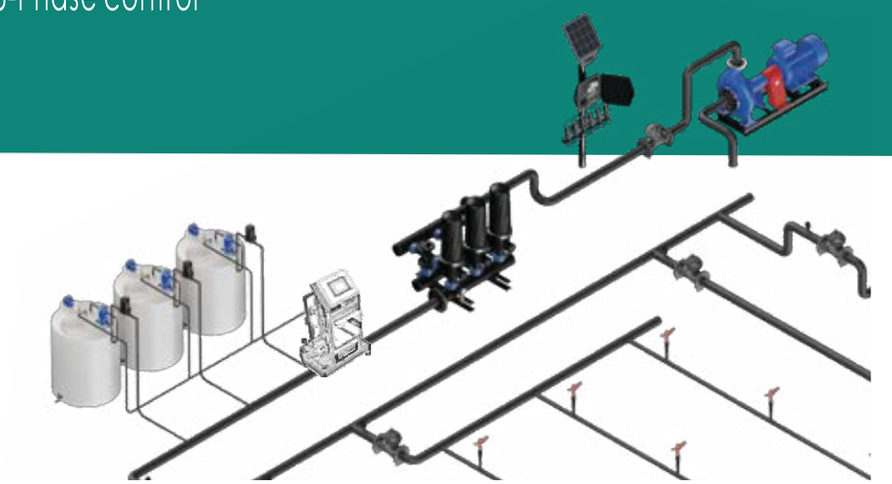


Valve/Pump Link

Smart 4G PUMP Switch

- APP remote Pump start/stop
- Setup constant pressure via VFD
- Pump/Valve auto run
- Single/3-Phase control





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Irrigation Al Model

Advancing life together

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