



CAPABILITY STATEMENT / AGRICULTURAL PRODUCERS AND IRRIGATION OPERATIONS

Irrigation intelligence from root zone to valve

POINT OF CONTACT

Russ Sobti

info@getmodulink.com

(858) 280-5198



Root-zone sensing, irrigation guidance, alerts, and compatible valve actions without per-device cellular subscriptions.

Operate distributed field nodes without per-device cellular subscriptions.

WHERE MODULINK CREATES VALUE

01

Irrigate from root-zone conditions

Use measured soil-water tension and temperature to inform irrigation timing and volumes.

02

See every monitored block remotely

Review zone status, trends, and alerts without driving the field for manual reads.

03

Close the loop to the valve

Pair sensing with compatible latching-solenoid control for assisted or automatic irrigation workflows.

04

Create an operating record

Track conditions, recommendations, valve events, and irrigation response over time.

05

Prove value block by block

Expand only where water, labor, energy, or crop-management value is measurable.

FIELD HARDWARE AND SOFTWARE

AGRI

FIELD TERMINAL

Private long-range sensing and compatible latching-valve control.

- Private LoRaWAN to Modulink Basestation
- Three soil-tension inputs plus temperature
- Over one year battery life in common irrigation operation
- Hunter-style 9 VDC latching-solenoid compatibility
- IP68 enclosure and private long-range network

IRRIGATION SKILL

SOFTWARE

Operational guidance and repeatable irrigation workflows.

- Zone trends and alerts
- Configurable recommendations
- Mobile history and valve status

THE MODULINK CAPABILITY LAYER

- IP68 field hardware with long battery operation
- Private long-range network without per-device cellular fees
- Self-hosted operation under grower control
- Mobile status, history, recommendations, and valve workflows
- Compatible pressure and flow sensing through the wider platform

RECOMMENDED FIRST ENGAGEMENT

Prove value in representative blocks

Select one to three irrigation zones with different soils, crops, or constraints. Establish a baseline, then run a 6-12 week pilot with agreed tension bands, alerts, valve workflows, and success measures.

FIELD SIGNALS

TERMINALS

BASE STATION

SKILLS

Deploy one focused use case, prove the operating value, then scale.

