GROUNDWORX®

ENVIRONMENTAL INTELLIGENCE

PROTOTYPE · UNDER DEVELOPMENT

iQ Environmental SmartTower

From the canopy to the root zone.

30 data points. One autonomous field and fairway station.

Air • atmosphere • ET • soil — PURE Insight sensors

FARMLAND, VINEYARDS & GOLF COURSES

8 ft. prototype • two PURE Insight in-ground sensor arrays
5 m soil-array lengths • marked bury line

Air quality — 10

01	Carbon monoxide (CO)	02	Carbon dioxide (CO2)
03	VOCs	04	Nitrogen dioxide (NO2)
05	Ozone (O3)	06	PM1.0
07	PM2.5	08	PM10
09	Thermal imaging	10	Visible / low-light

Atmospheric — 12

11	Air temperature	12	Relative humidity
13	Wind speed	14	Wind gust
15	Wind direction	16	Solar radiation
17	Precipitation rate	18	Precipitation total
19	Barometric pressure	20	Lightning strikes
21	Lightning distance	22	Ambient light

ET & motion — 2

23	Evapotranspiration	24	Accelerometers

Site — 2

25	GPS location	26	Compass heading

In-ground — 4

27	Temperature	28	Moisture (VWC)
29	Conductivity (EC)	30	Dielectric

30
DATA POINTS

Communications & power

Satellite • autonomous LTE wireless
228 Ah lithium • no solar required

GAIN

Turn field conditions into timely action.

Autonomous alerts • GAIN intelligence for farms, vineyards and golf courses
Prototype under development. Specifications subject to change.

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