

iQ Environmental Tower

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.