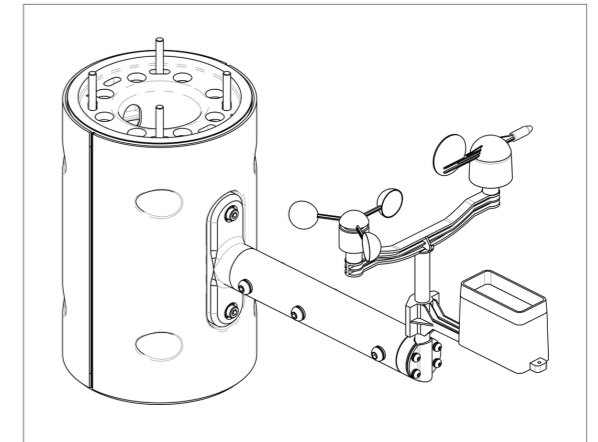
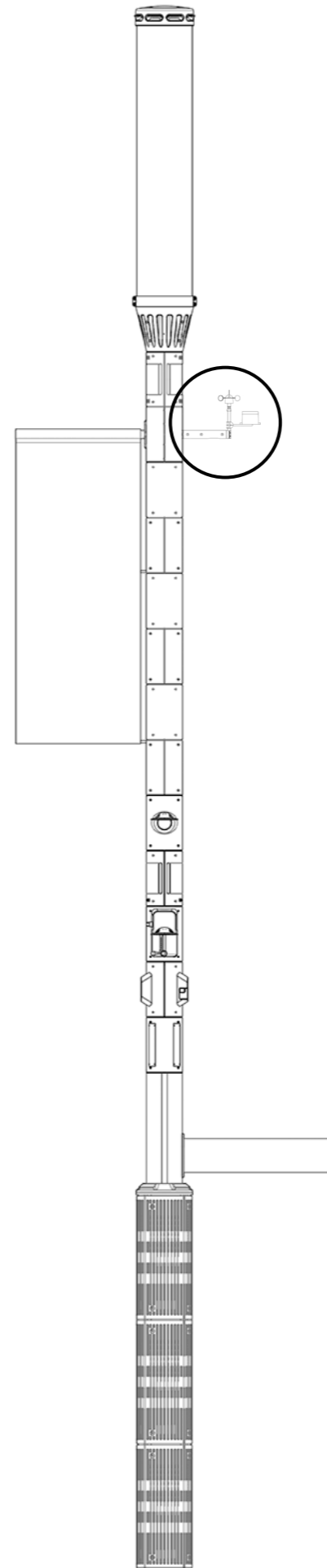
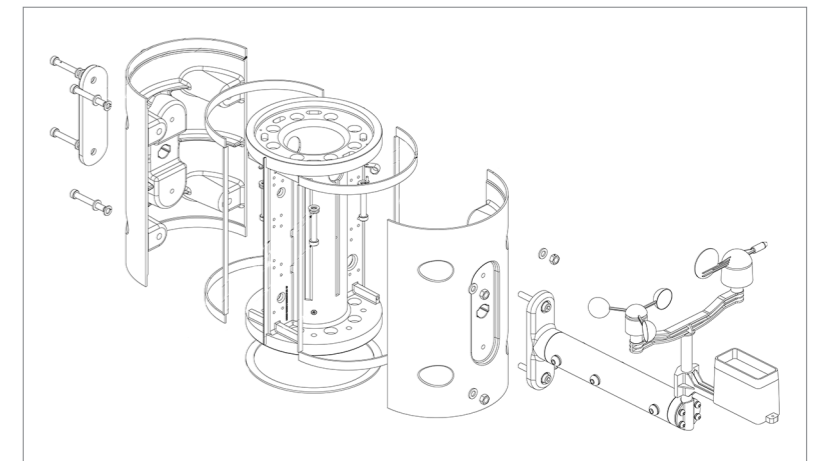




CHINATOWN, BRISBANE



WIND & RAIN MONITORING (SENSOR)
ASSEMBLED VIEW



WIND & RAIN MONITORING (SENSOR) EXPLODED VIEW



3.3.3 Wind & Rain Monitoring (Sensor)

Purpose

The SMART.NODE™ MTM can accommodate weather stations designed to accurately monitor and analyse climate data, including wind speeds and the volume of rainfall. Current weather station models include three different sensors: a wind vane, anemometer, and pluviometer.

Data is then transmitted in real-time via the cloud, and can be monitored and analysed through ENE.HUB's Central Management System, e(3). Wind and rain data can then be used to influence landscaping, public event and traffic management decisions.

Equipment List

Devices used to collect wind & rain monitoring data are as follows:

- Libelium Agricultural Pro
- Libelium WS-300

Control System

Wind & rain monitoring data is visualised, controlled and analysed through the e³ CMS platform.

Performance Data

For detailed information please refer to the product specification datasheet.

Wind & Rain Monitoring Access Points Currently Accommodated by SMART.NODE™			
The weathervane sensor communicates via the Waspnote and CMS platform allow for the remote collection of data from the wind speed, wind direction and rain fall. This data is received at changeable interval over a 24-hour period.			
Brand	Model	Specifications Summary	
	Waspnote Smart Agriculture 3.0	Pwr Consumption	3.3vDC @ 400mA PoE+ (802.3at)
		Output	Data Sensors
		Dimensions	124(L) x 124(H) x 85(D)
		Communication	802.15.4, 868 MHz, 900 MHz, Wi-Fi, 4G, Sigfox and LoRaWAN
STILL IN CMS INTEGRATION			
Libelium	Weather Station (WS-3000)	Pwr Consumption	3.3vDC @ 200mA
		Output	Wind Speed 0 to 240km/h Wind Direct 360 degree (accuracy 22.5 degree Rain Fall Bucket Capacity 0.28mm of rain
		Dimensions	710(H) x 890(W) x 810(D)
		Communication	Via Waspnote

THE TECHNOLOGY ACCOMMODATED BY THE SMART.NODE™ IS CONTINUOUSLY EVOLVING. ENE.HUB CAN INVESTIGATE THE ACCOMMODATION OF ADDITIONAL SMART CITY SERVICE DEVICES.