Own your Assets

Equipped with an M1-LTE/NB-IoT module, multi-carrier sim and with optional Globalstar satellite fallback, the newly redesigned F100MX is the most unique and powerful remote monitor on the market. Paired with the LevelCon app and cloud portal, access levels directly from any smart device and enjoy easily configured email and text notifications for level changes and fill events.

Typical Applications

- Product level monitoring including fuels, water, lubricants, chemicals, gases, solids, fertilizers, animal feeds etc…
- Residential or Industrial Propane level monitoring
- Frac Tank monitoring
- Backup generator fuel levels

Specifications

1 Analog Input & 1 Digital Grounding Input- Alarm Capable. Intrinsically safe: Class I Div 1 Group D Certified

Multi-sensor RS485, RS232, UART Modbus, I2C

Mesh Network enabled device

LTE CAT-M1 or NB-IoT. Global Multi-carrier SIM or customized carrier selection using eSIM platform

Globalstar — Optional satellite fallback.

GPS enabled for mobile asset tracking

Integrated temperature & barometric pressure sensor

24/7 access to data on LevelCon Cloud or local SCADA. Free Push API Service

Solar Powered with 4xAA battery backup
3+ years battery life without solar exposure, 6-7+ years with solar exposure

Installation

The F100M is compatible with nearly any sensor on the market. We pair the contents of your tanks to the proper sensor for a perfect match.

3 Step Installation:

1. Place the F100M on the tank via 4x Neodymium magnetic feet. Preferably in a location exposed to good sunlight
2. Install the sensor into a 2" NPT port on the top of the tank and connect the weatherproof Chogori connector to the F100.
3. Press the power button on the lid of the monitor to initiate a successful transmission.

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Easy Deployment and Maintenance

The F100 is designed for simple installation with RS485 Modbus or Mesh network sensors (such as the WP01V or R3 offerings). The **IP67 enclosure** eliminates any concern regarding water or other weather intrusion and the built in LCD allows for easy operation and local control. Its small size and neodymium magnets allow the device to be mounted securely to anywhere on the tank.

The solar augmentation allows for 7+ years of maintenance free deployment with a back up battery reserve from 4x off-the-shelf **AA** Energizer Ultimate Lithium batteries. The F100 operates globally at temperatures between **-40C > 70C**.

Available on Iphone and Android
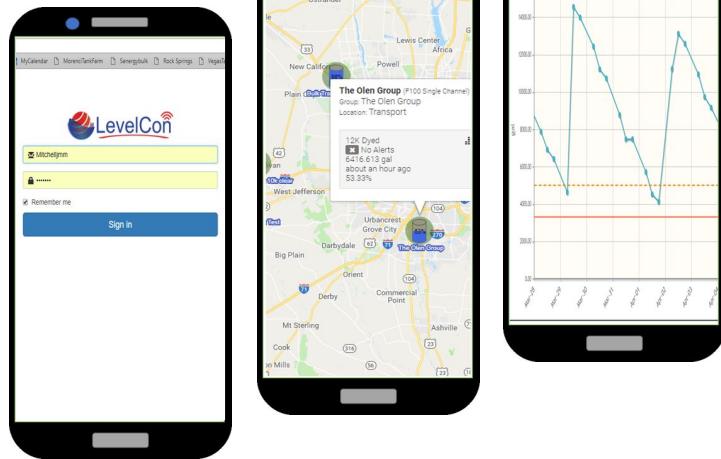
Sample Customer Views

Channel		Location	Value	Percentage Full	Metric	Base Value	Date	Age	Status
Group: Frac Fuel Tanks									
Location: No Location									
WTXXTO1 - T200/300 Location	↗	No Location	31.98609,-102.0888	n/a	lat,lng		9/6/2017, 9:02:09 AM	6 minutes	✖ No Alerts
WTXXTO1 - Tank Level	↗	No Location	855.027	4.08%	gal	4.246	9/6/2017, 9:02:09 AM	6 minutes	✖ No Alerts
Group: Lube Tank Operations									
Location: OKC Lube Yard									
Lube 0184 Tank 3 - AW32	↗	OKC Lube Yard	4122.154	44.09%	gal	61.021	9/6/2017, 6:02:57 AM	about 3 hours	✔ OK
Lube 0184 Tank 4 - AW46	↗	OKC Lube Yard	2669.398	28.28%	gal	25.742	9/6/2017, 6:02:57 AM	about 3 hours	✔ OK
Lube 1400 Tank 2 - 85W140	↗	OKC Lube Yard	2829.221	30.26%	gal	45.199	9/6/2017, 6:02:40 AM	about 3 hours	✔ OK
Lube 1400- Tank 1 - 15W40	↗	OKC Lube Yard	1810.049	19.17%	gal	16.825	9/6/2017, 6:02:40 AM	about 3 hours	⚠ LOW
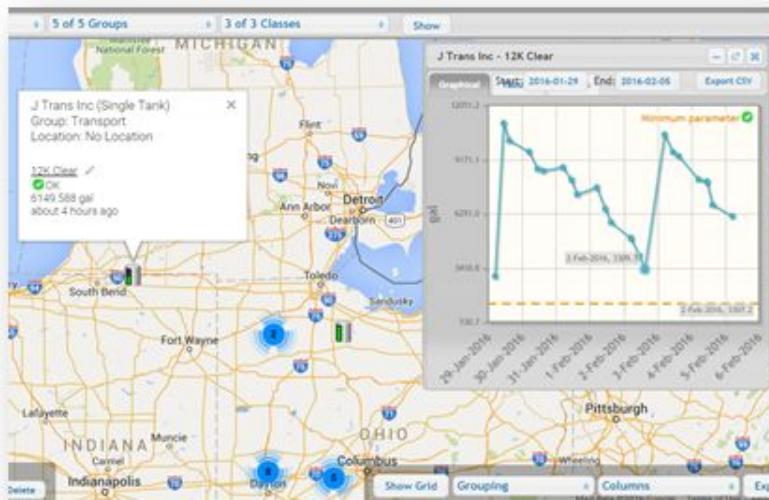
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