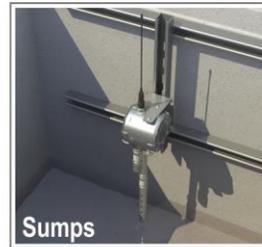
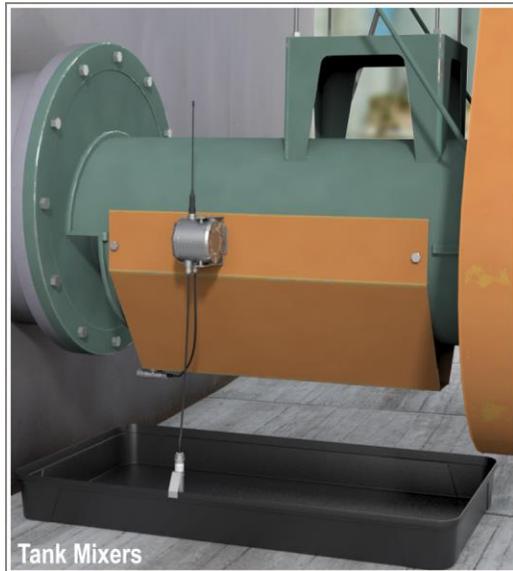


# WirelessHART HC-Tracker™

## Facility Monitoring Solution Package



### Application Challenge

An effective facility integrity monitoring system detects the presence of liquid or gaseous hydrocarbons quickly, accurately, and reliably even in extreme and fluctuating ambient temperatures. Optimally, the system is also wireless and battery powered for easy installation in a variety of locations.

### Syscor's Solution

Syscor developed the WirelessHART HC-Tracker system in close cooperation with the petroleum industry to provide a reliable and economical tool for facility integrity monitoring.

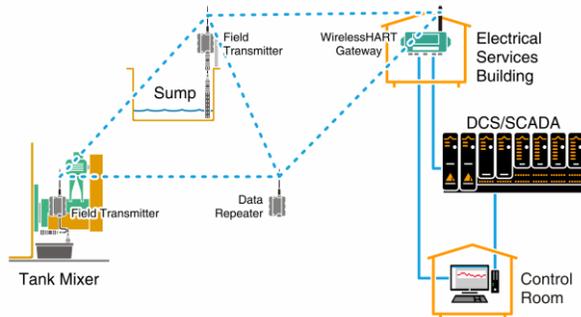
The WirelessHART HC-Tracker Facility Monitoring Solution Package supports customers in their mission towards zero-incident operations, environmental responsibility, cost reduction, and rapid field deployment.

### Features and Benefits

- Intrinsically safe design for Zone 0 deployment
- Extensively tested and independently qualified devices
- Stainless steel construction
- Wireless, battery powered units allow rapid deployment
- Intrinsically safe Syscor designed Li-SOCl<sub>2</sub> battery packs provide up to 10 years of power
- Self-contained units are easily installed and removed
- Performs reliably in temperature ranges from -40 to +60°C [-40 to +140°F]
- WirelessHART (IEC 62591) mesh technology creates self-forming, self-healing, scalable, secure networks
- WirelessHART technology allows easy addition and removal of units from an existing network
- Integrates easily with industry standard WirelessHART Gateways
- Syscor's polymer absorption sensor formulations provide accurate, reliable and rapid detection of liquid and gaseous hydrocarbons (C<sub>3</sub> and heavier) in air, water and underground
- Water Immersion sensor formulation unaffected by freezing temperatures, extended periods under water, and when encased in ice
- Standard mounting brackets support rapid deployment of units in the field

## How it Works

Up to two sensor transducers are connected to a Syscor Tracker Field Transmitter directly or by cable. The sensors detect acceleration/vibration, water level, temperature and the presence of hydrocarbons (C<sub>3</sub> and heavier). The Field Transmitter communicates data via the WirelessHART standard to a WirelessHART Gateway, which in turn routes the data to the facility's control and monitoring system for analysis and data collection. Alarms are generated and communicated to all appropriate people and systems when abnormal conditions are detected.

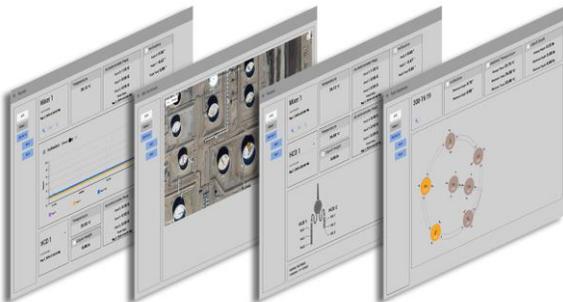


### HC-Tracker™ Monitoring System application examples

#### Solution Package Details

Syscor's WirelessHART HC-Tracker Facility Monitoring Solution Package typically contains the following items:

- WirelessHART Field Transmitter
- Optional WirelessHART Data Repeater
- WirelessHART Gateway
- Syscor Li-SOCl<sub>2</sub> battery pack
- Sensor transducers configured specifically for the application
- Antenna selected for the application and site
- Optional two-foot sections of perforated stainless steel protective tubing (useful for sump pit monitoring)
- Standard mounting bracket
- Optional Syscor Tracker monitoring software



Syscor Tracker™ monitoring software

## Other Applications

The HC-Tracker Monitoring System can also be used for the following applications:

- Underground: Hydrocarbon leak detection in monitoring wells and around underground storage tanks and associated piping
- Water Bodies: Hydrocarbon leak detection in reservoirs, lakes, ponds, rivers, etc.

## Products List



#	Item	Qty
1	Field Transmitter PCU w two sensor ports	
-	Data Repeater PCU (not shown, similar to 1)	
-	WirelessHART Gateway (not shown)	
2	2-cell battery pack 7.2V 19.0Ah 136.8Wh	
3	4-cell battery pack 7.2V 38.0Ah 273.6Wh	
4	HCD sensor	
5	HCDW sensor (HCD functions + water level)	
6	Omni-directional whip monopole antenna	
7	Omni-directional rigid monopole antenna	
8	Optional perforated stainless steel tubing (2 ft. lengths)	
9	Standard mounting bracket	
	Optional Syscor Tracker monitoring software	
-	Optional stainless steel tubing end cap (not shown)	
-	Cable (up to 266.7m/875 ft. maximum total length) (not shown)	

## How to Purchase

Visit [syscor.com](http://syscor.com) for more information. Contact Syscor to discuss your specific site and application requirements.

## Contact Information

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