

# Hydros Water Monitoring Solution

**El-Far's Hydros** solution is a sealed water monitoring sensor that detects water levels at any location under any condition and provides alerts should the water level exceed or drop below a predetermined level. The solution provides a warning for floods or drops in water level, allowing the authorities to react accordingly. The solution can be deployed both as a stand-alone device and as a component of a larger system. There are numerous options for sending an alert such as notifying a control room and sending an SMS to a mobile phone among others.

## Applications

The Hydros from El-Far is a water detection solution that can be utilized in a wide variety of applications including the detection of flooding in critical locations such as warehouses, commercial properties and computer rooms and the monitoring of water levels of rivers, dams and streams among others.

## Deployment Options

The solution can be deployed both as a stand-alone device and as a component of a central command & control system.

- **Stand-alone** - The stand-alone unit can be deployed in remote areas and utilizing wireless communication transmits events to a control room. The stand-alone unit consists of a sensor, communication and control unit, protective netting and vibration sensors which detect any attempts at tampering. An optional solar powered battery is provided to power the stand-alone unit.
- **System Component** – The Hydros can be integrated into an existing system, providing a water level monitoring component to a complete system. The solution is simply added as another alert zone in the system.

In both deployment options, the control room's communication and control system receives input from the units and provides alerts for the following:

- Water level detection
- Low battery
- Communication fault
- Tamper alert



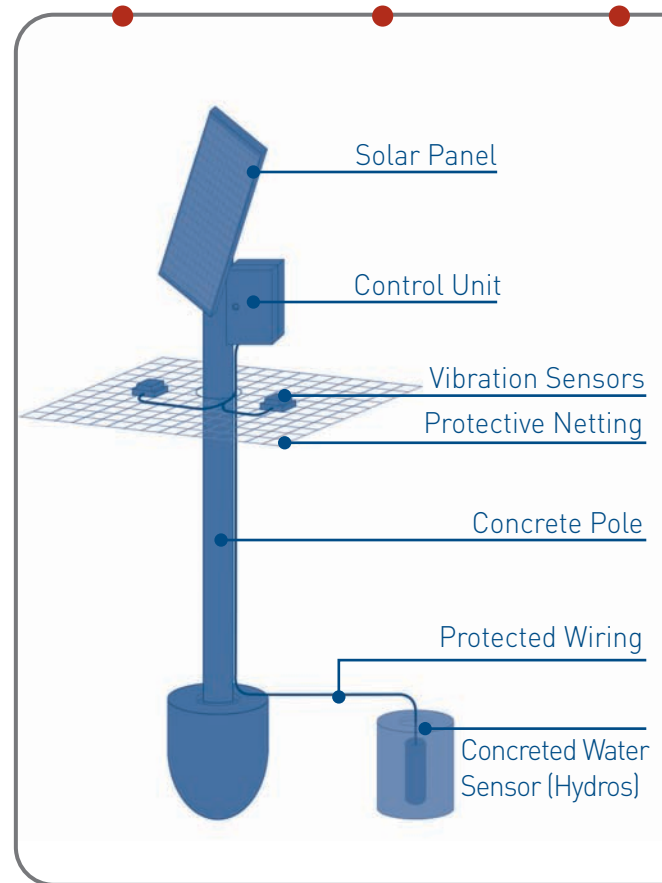
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## Features & Benefits

- Can be installed on any type of existing infrastructure
- High accuracy and reliability
- Low false alarm rates
- Dry contact interface
- Live video on the alarm location
- Compact, rugged design for easy installation
- Minimal maintenance and care
- Submersible sensor and cable (remote unit)
- Sensitivity level can be modified according to need and customer requirements

## Specifications

Operating temperature	-25°C to + 85°C
Relative humidity	100%
Operating voltage	10 - 15 v
Operating current	20 mA
Enclosure	Metallic hermetically sealed - IP68



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