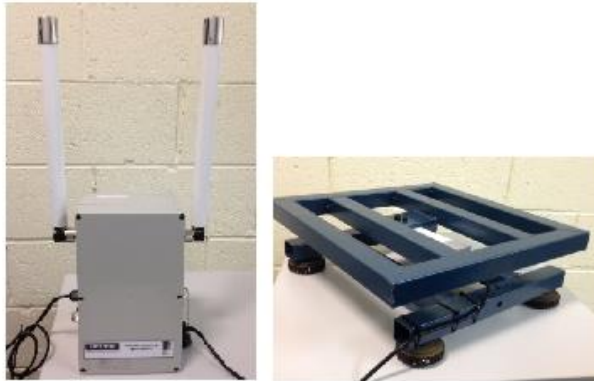


## Interceal's Remote Weight Monitoring System (RWMS)



Interceal's RWMS provides a reliable, remote monitoring of weight and scale information, as and when needed. This feature is specially designed for industries that requires weight information as a telemetry or monitoring parameter, i.e. Remote Monitoring of liquid tanks/rain catchments.

Using the latest cellular technology as its communication backbone, the system consists of a 150Kg electronic and scalable weight scale, sensor controller circuit, and a 3G/4G modem/router. A customer supplied, optional 12Vdc off-grid solar kit to provide the necessary power supply.

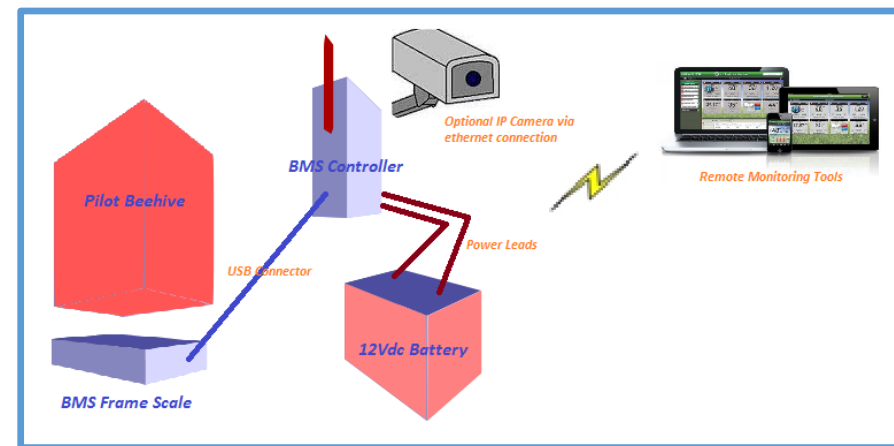
Interceal's RWMS is designed to achieve simplicity and ease of use for user/operators. The weight data can be collected and read in three ways:

1. Using a TCP/IP program installed on a remote PC.
2. Via an app using your 3G/4G smartphones
3. Via 2G Circuit-Switch Data (CSD) call (network supported)

Additionally, control and administration of the 3G/4G modem/router can be done via SMS. Among the information that can be collected remotely are:

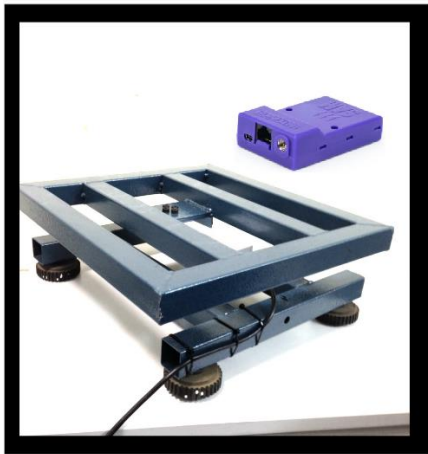
- instantaneous or current weight measure of the scale
- General Location of the system (via dedicated GPS or Mobile-Assisted location update)
- Status and configuration parameters of the 3G/4G modem/router.

An optional CCTV camera can also be added into the system via the ethernet port of the 4G router. This will provide a streaming video capability for added security and administration. See the typical application monitoring a beehive (honey) tank below:



## I. Basic Package

The RWMS can have a basic setup using the 3G SmartSAM3T. The setup is small, robust and provides basic connectivity.



The weight data can be collected and read in three ways:

1. Using a TCP/IP program installed on a remote PC.
2. Via an app using your 3G/4G smartphones
3. Via 2G Circuit-Switch Data (CSD) call (in CSD modem mode)

## II. Advance Package

The advanced package combines the weight scale system with the UltraSAM4W which provides 4G coverage, GPS location update (optional antenna required) and an ethernet connectivity that can be used for other applications or devices. The ethernet can be connected to a wifi hub to provide internet coverage in the area and/or an IP camera for area security.



The weight data can be collected and read in two ways:

1. Using a TCP/IP program installed on a remote PC.
2. Via an app using your 3G/4G smartphones