BOASSO GLOBAL Partners with Port of Rotterdam around IoT

SkyLab has expanded the LoRaWAN Internet of Things (IoT) Networks in the Botlek Rotterdam area and Port of Rotterdam. This gateway is placed in collaboration with Boasso Global on their 70-meter high wind turbine. This new gateway can receive sensor information in a radius of +/- 10 Km (300 Km2). With this added gateway, the network coverage and redundancy is once again increased for the Port of Rotterdam and the municipality of Rotterdam. Received sensor data is securely transferred to the internet where users can retrieve and visualize it.

LoRaWAN stands for Long Range Low Power communication, allowing small sensors to work independently for years on a battery or unlimited on solar energy. Sustainable technology can be used for the industrial sector, living environment and climate monitoring. The Gateway features a new unique multi-network packet forwarder to support multiple LoRa networks simultaneously (public, commercial and/or private), reducing the total cost of ownership and increasing usability. This gives people and businesses the freedom of choice when deciding what network provider(s) to use. This gateway is also connected to the "The Things Network and The Things Industries" which can be used by everyone for free (within fair use).

Boasso Global is one of the companies which will use the LoRaWAN coverage to increase innovation and adaptation of innovative technologie. Boasso Global is one of the leading companies in providing depot, maintenance, cleaning, and transportation services for ISO tank containers in North America and Europe. Boasso Global is one of the many companies which has already incorporated LoRaWAN networks into their standard business operations for use cases such as tracking and monitoring their standard service operations.

The possibilities created with LoRaWAN coverage are endless.
Applications such as Asset Tracking, Container monitoring, Process monitoring, Security, Gas and Fire detection, liquid flow & level monitoring, Measuring the climate and living environment, Container tracking, are all possible at low telecom costs. The advantages of this infrastructure are that it is also available in other countries and coastal areas, this technology is not limited to the Netherlands. In addition to the cities, ports and the North Sea, SkyLab is also providing ships with LoRaWAN coverage. Ships are provided by SkyLab with the new LongAP multiband (868 MHz and 2.4 GHz) and multi-provider gateways, which provide connectivity on board and around (+/- 10 Km) the ships.