Key Points & Benefits

- Purpose-built, maintenance-free sensor platform with spare part management
- Market-proven, off-the-shelf tower components
- Rapid installation and configuration
- Dimensions comply with road and sea transport regulations
- Easy deployment, dismantling and re-location, even in critical areas
- Enhanced surveillance for broad coverage of areas of interest (hot spots)
- Logistical advantage: no solid foundation required
- Can be used autonomously or as part of a larger existing surveillance network

Standard features and options
Adapted to customers needs on request

<table>
<thead>
<tr>
<th>Usage</th>
<th>Deployable surveillance solution which can be operated either autonomously or as part of an integrated system</th>
</tr>
</thead>
<tbody>
<tr>
<td>Setup &amp; Construction</td>
<td>Lightweight, prefabricated tower with integrated platform; Construction time: 3 – 4 days</td>
</tr>
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</table>
| Operator Shelter       | 10 ft operator shelter, fully equipped
                        | Air conditioning dimensioned according to environmental conditions and equipment
                        | Remote control from one or several command centres                                                   |
| Multi Sensor Kit       | Radar: 360° long-range radar
                        | Camera: electro-optical / thermal imagery camera with laser range finder
                        | Optional: AIS transceiver, Radio Direction Finder, Weather sensors, Short Range Radar 360°          |
| Typical detection ranges | Terrestrial objects: 10 km for pedestrians, 20 km for vehicles
                        | Maritime objects: 3 nm for swimmers, 8 nm for rubber boats, 20 nm for large vessels                  |
| Additional features    | Facility security based on 360° CCTV proximity surveillance
                        | CO2 and smog/fire detection and alarming
                        | Tower illumination
                        | Optional: Hybrid power system                                                                       |
| Communication          | Standard Gigabit Ethernet or operated remove via fiber optics data link
                        | Optional: Via satellite communication link 1.8 m antenna, Radio communication equipment for voice and data transmission |
| Protection             | According to MIL-STD-810G for the geographical region for tower, shelter and multi-sensor kit.        |
| Power supply           | Standard from power grid with back-up UPS. Optional: diesel generator with diesel tank                  |

Tower Configuration for Coastal Surveillance

Deployable Surveillance Tower
Fast deployment - rapid construction

AIRBUS
Airbus Defence and Space

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Email: securitysolutions@airbus.com, www.airbus.com
The Airbus Deployable Surveillance Tower offers a robust and stable all-weather platform for 360° widearea surveillance which can be deployed in a multitude of environments, according to operational requirements.

By combining market-proven tower segments with purpose-built sensors, a new type of surveillance tower has been developed.

**Coastal Surveillance**
The current sensor configuration of the deployable tower is tailored for maritime surveillance, integrating both coastal radar and camera sensors.

**Terrestrial Surveillance**
The land version of the tower can integrate a “multi-sensor kit”, comprising a dedicated radar and an electro-optical / thermal imagery (EO/IR) camera.

Due to the deployable tower’s ease of construction it can be rapidly dismantled and repositioned, depending on operational needs, to enable the highest flexibility.

**Tower height about ground level:**
- Height of main platform: 20 m
- Height of radar sensor: 23 m
- Height of camera sensor on: 26 m

**Construction and Installation**
The tower is constructed using a mobile crane with completion in approximately 4 days. Building can be achieved with little or no need support by construction companies.

A technical shelter at the base of the tower is delivered by truck to the site. Already furnished with necessary communication and data processing equipment, it also provides connection to a power supply.

The surveillance tower can be operated remotely via a permanent fiber-optic data link (WAN) which connects with the sensor operators located in a command centre.

A new generation of deployable surveillance tower

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Coastal Surveillance

Terrestrial Surveillance

Construction and Installation

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Advanced software is used for sensor control and display of real-time situation

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Example of Powerful Surveillance Camera

Advanced software is used for sensor control and display of real-time situation

*Photo: Hensoldt’s NightOwl M with EO /Thermal Imagery Optronics*