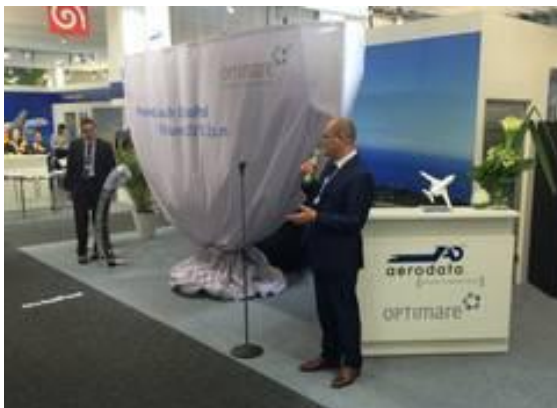




The Aerodata Group and its business partners can look back at the eventful months March to June 2015. This period started with the unveiling of the new airborne sensors LFS-P and MWR-P at the Interspill 2015 and ended with the launch of the new **OctoPod** and the **OPTIMARE SLAR** during this year's Paris Air Show. This dazzling display of new products clearly reflects the ambitions of Aerodata AG and its subsidiary Optimare Systems GmbH in the business area of airborne surveillance.

**OctoPod launched at Paris Air Show on June 15, 2015**



[Ceremony at Paris Air Show – Part I.](#)

During the launching ceremony of the **OctoPod**, held at the Paris Air Show 2015, the president of Aerodata AG, Mr. Hans Stahl, unveiled and presented the ground-breaking all-in-one airborne surveillance pod. The belly-mounted **OctoPod**

represents the benchmark for pod-based multi-sensor payloads for airborne surveillance.

After joint efforts the Aerodata / Optimare team succeeded in integrating eight different sensors covering eight core functionalities and more than 20 different mission tasks for

- **Airborne maritime surveillance**
- **Airborne oil spill remote sensing**
- **Search & Rescue**
- **Airborne land surveillance**

Fully equipped the **OctoPod** carries five sensors, designed and manufactured by Optimare and three third-party sensors.

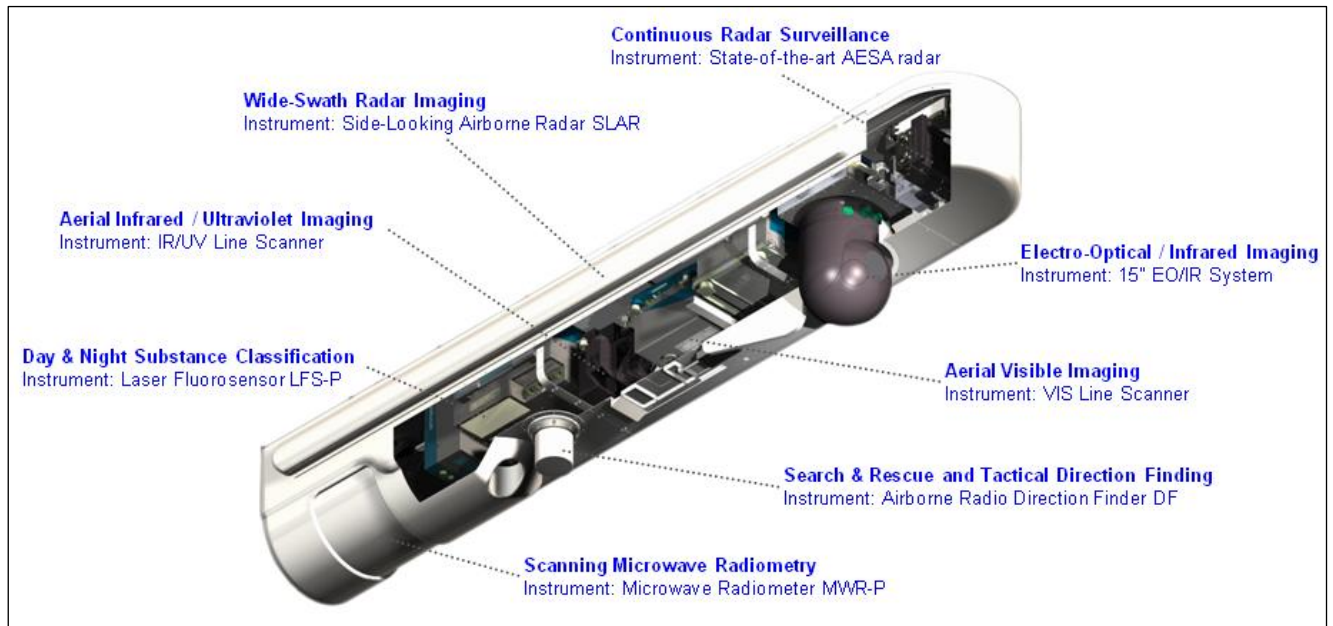


[Ceremony at Paris Airshow – Part II: The unveiling of the OctoPod.](#)

While providing a comprehensive sensor package for maritime surveillance and oil spill detection, **OctoPod** minimizes the installation effort on

the aircraft and leaves cabin space for the operator console and seats. After incorporations of structural attachments and electrical connectors on the aircraft, the **OctoPod** can be installed in a short time frame. Even if equipped with 2 radars, no waveguide is required between aircraft and the **OctoPod**.





### Core Features of the OctoPod

- Multi-Functional
  - Eight core functionalities based on eight selected sensors
  - Supports more than 20 different missions tasks
- Belly-Mounted
  - Low effort for aircraft modification & certification
  - Low impact on aircraft cabin
- Multi-Platform
  - The vertical pod dimension stays within the ground clearances of the most prominent surveillance platforms
- Modular
  - Individually configurable from subset to full configuration
  - Expandable
  - Removable
  - Low effort for aircraft reconfiguration
- Fully-Integrated
  - Full integration with the Aerodata Group mission systems AeroMission<sup>®</sup> and MEDUSA<sup>®</sup>

**Further information** on the OctoPod, especially concerning specific types of sensors, functionalities and basic engineering data, can be obtained at

<http://www.aerodata.de/index.php?id=31&L=1>

<http://www.optimare.de/cms/en/divisions/fek/fek-products/octopod/octopod.html>

plus corresponding hyperlinks on these websites.

The official **OctoPod Brochure** (PDF format) can be downloaded via

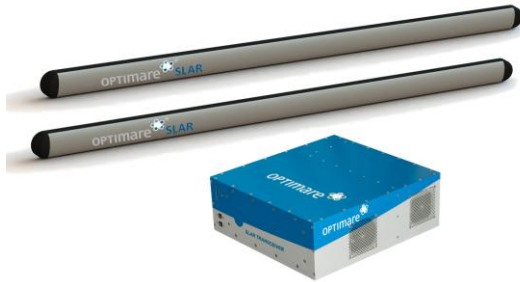
<http://www.aerodata.de/fileadmin/Downloads/Products/OctoPod/OctoPod-Flyer.pdf>

[http://www.optimare.de/cms/fileadmin/PDF/GB\\_FEK/24398\\_Prp-OctoPods\\_RZ-5\\_opt.pdf](http://www.optimare.de/cms/fileadmin/PDF/GB_FEK/24398_Prp-OctoPods_RZ-5_opt.pdf)

The first integration into a **King Air 350** aircraft is planned for Q2 2016.

**OPTIMARE SLAR**

After extensive development and testing the Optimare team is finally pleased to unveil its new **Side-Looking Airborne Radar (SLAR)** system. The **OPTIMARE SLAR** was successfully tested on 10 June 2015 in a comparison flight over the German Bight.



**OPTIMARE SLAR Transceiver and Antennas.**

The **OPTIMARE SLAR** is a cloud-penetrating imaging X-band radar for day & night airborne maritime observation. The sensor has a swath width of more than 120 kilometers and is ideally suited to support situational awareness by complementing the discrete target information provided by search radars, automatic identification systems and direction finders. Moreover, SLAR has been the standard and prime technique for airborne oil spill surveillance for several decades.

The **lightweight** OPTIMARE SLAR features **superior imaging** capabilities and **ultra-thin antennas** that facilitate aircraft installation. Moreover, the new SLAR is one of the eight sensors of the brand-new **OctoPod**.

With the new product Optimare expands its sensor portfolio to include the missing primary wide-swath sensor, thus leading to a unique portfolio of airborne surveillance sensors from one source.



**Successful flight test of the OPTIMARE SLAR on 10 June 2015 from Bremerhaven airport.**

**Events**

Optimare will exhibit at **Offshore Europe**, Aberdeen, UK from September 8 – 12, 2015.

Aerodata and Optimare will exhibit at **Dubai Air Show**, November 8 – 12, 2015.

Aerodata and Optimare will participate in the **Coastal Surveillance Conference**, Kuala Lumpur, Malaysia, December 1 – 2, 2015.

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**The OctoPod at the Aerodata Group booth at Paris Airshow 2015.**