



LILYPAD – Persistent Surveillance

CUSTOMIZABLE UNCREWED AREA DEFENCE CAPABILITY

OVERVIEW

Lilypad is a state-of-the-art persistent offshore surveillance system providing maritime defence capabilities.

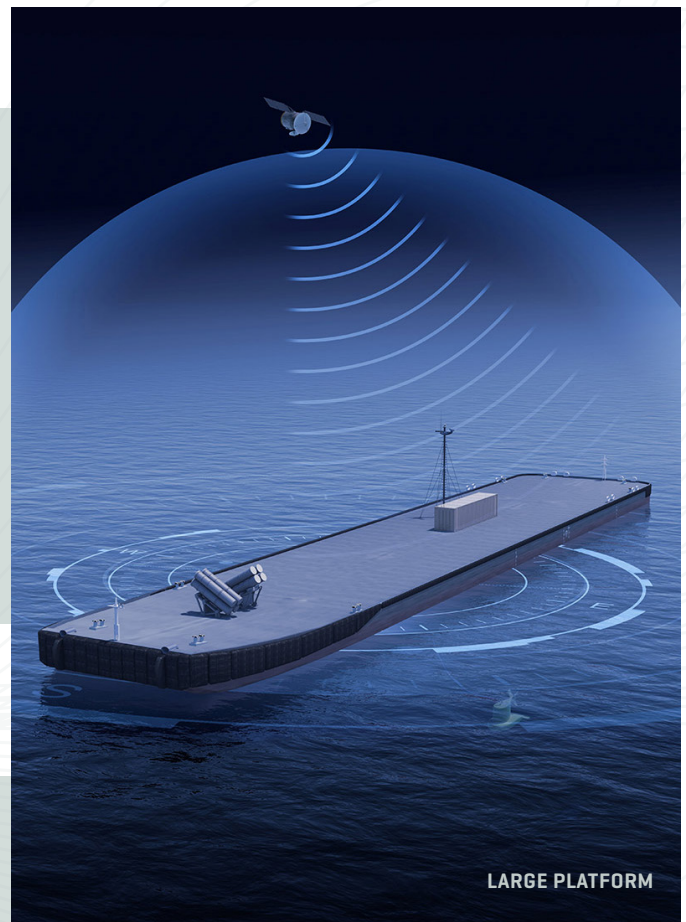
Configurable in mono or multi-system, Lilypad delivers low-risk, low-maintenance operations by combining a variety of capabilities in order to accommodate specific surveillance requirements.

Lilypad is a force multiplier that is ideal for expanding an area of operations with its capability of detecting threats below, on and above the water.

CONCEPT OF OPERATIONS

Ideal for maritime defence and homeland security, Lilypad is comprised of moored, uncrewed, mono/multi-sensor platform[s] which can be strategically placed to expand maritime warning and enhance coastal defence capabilities.

Lilypad enables persistent surveillance and expanded coverage, reducing the need for expensive, conventional patrol methods such as surface vessels and maritime patrol aircraft.



Lilypad is capable of operating in a standalone configuration or as multiple platforms to expand coastal coverage as required. Fully customizable and capable of expansion to suit changing defence technologies.

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COMPONENTS

PLATFORM OPTIONS

- Small/buoy
- Medium
- Large

SYSTEMS

- M660 Hull-mounted sonar
- M670 Hull-mounted sonar
- Radar
- Electronic sensor measures [ESM]
- Electronic warfare
- Automatic identification system [AIS]

DATA MANAGEMENT

- Various data management and combat management systems available



FEATURES

- Uncrewed
- Low-maintenance
- Low-risk operations
- Reduces naval procurement and operating costs
- Data fusion through the use of a content management system

OPTIONS

- Capable of housing self-defence measures
- Diver deterrent

SPECIFICATIONS

SMALL PLATFORM/BUOY

- One or more sensors such as variable depth sonar, automatic identification system [AIS], radar, EO/IR

MEDIUM PLATFORM

- Multiple sensors such as variable depth sonar, automatic identification system [AIS], radar, EO/IR, electronic warfare, point defence, missile defence, intelligence gathering systems

LARGE PLATFORM

- All of the above, plus the capability to install offensive measures

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