

# TEKI RDS 1000

## Overview

### Description

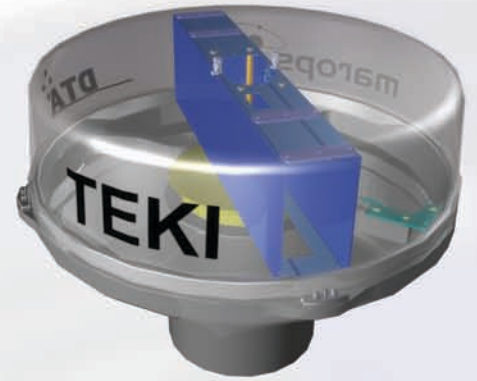
TEKI is a passive radar detection system. It is unique in being able to fingerprint a vessel beyond the radar horizon without a dedicated operator.

### Target Market

TEKI is optimised for installation on small vessels built for the coastal and littoral environment or for remote autonomous surveillance from static installations such as oil and gas platforms. TEKI brings a large navy capability to Coastguards, law enforcement and Inshore Patrol vessels for the first time.

### Development

TEKI was developed as a low cost passive radar detection system by the New Zealand Government's Defence Technology Agency in partnership with Marops Ltd, a New Zealand owned technology company specialising in maritime surveillance systems.



“TEKI has led to easier picture compilation and quicker target localisation. For fisheries patrols this means targeted vessel boardings can commence at first light. Previously localisation used the ‘needle in the haystack’ procedure to find target vessels”.

Statement from Ship Captain.

## Capabilities

### Long Range, Over-the-Horizon Radar Detection

- Resulting from **high system sensitivity**.
- Higher situational awareness during night and low visibility ops.

### Continuous Persistent Tracking of all Standard Marine Radars

- Specially tailored software design.

### Simple HMI

- Tracks displayed on TEKI client and/or integrated with existing C2 or moving map system.

### Fully Automatic

- Unique algorithmic design means trained **operators are not required**.

### Easy to Install

- Similar to a commercial marine radar in configuration.



## Product Status

The system was delivered to the Royal New Zealand Navy in 2010 and is operational with the RNZN Inshore Patrol Vessels, the Offshore Patrol Vessels and the Sealift and Amphibious Support Vessel RNZNS Canterbury.

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