Smart Embedded Underwater Detection and Classification System (SEUDC)

CMMI
LEVEL 3

Koç Bilgi ve Savunma Teknolojileri A.Ş.   SEI CMMI LEVEL 3

Koç

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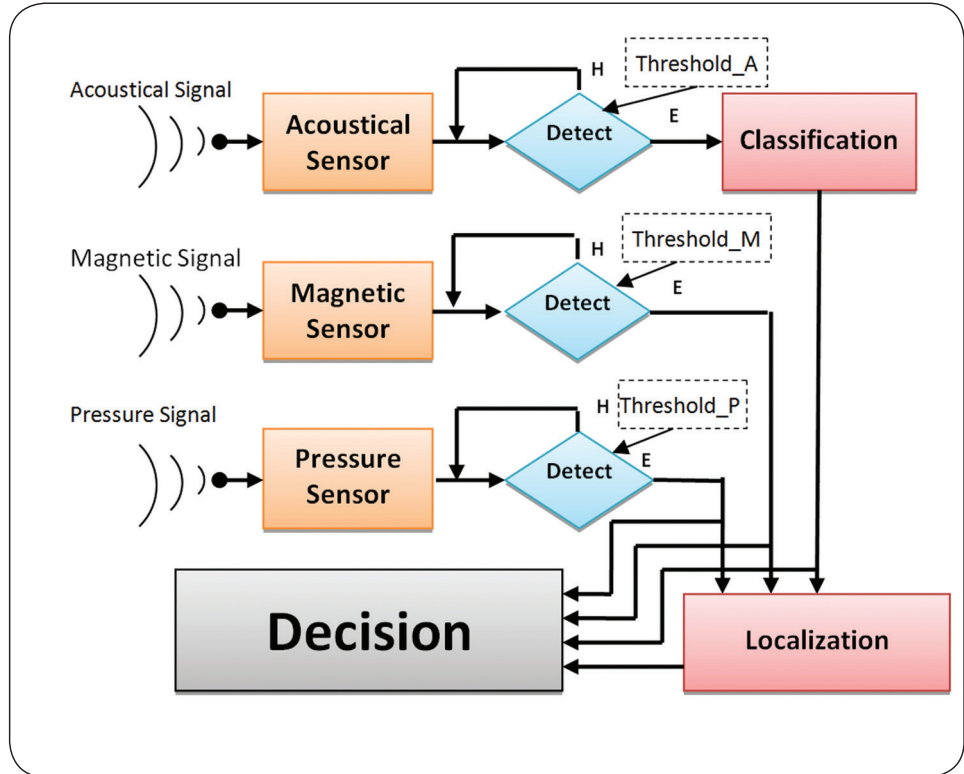**Smart Embedded Underwater Detection and Classification System**

With implemented signal processing technologies; acoustic, magnetic and pressure sensors' data are analyzed by continuous monitoring and and targets are detected and classified using analysis results.

It is a programmable smart decision mechanism specific to operations.

Different sensor combination can be selected according to operation concept and thresholding parameters can be set by the operator or can be set automatic by the system.

Target categories can be selected and the parameters, which are sterilization time, procrastination time and target bypass, can be set.

The system which is based on FPGA has high data processing power.

OPERATIONAL FEATURES

- Acoustic, magnetic and pressure sensing
- Target detection and classification
- Different sensor combination selection
- Target discrimination
- Target bypass
- Threshold selection
- Programmable according operational requirements

- Features that distinction from ambient noises and countermeasures signals
- Data recording capability
- Built-In Test (BIT)
- Low power consumption
- Remote control via serial interface