

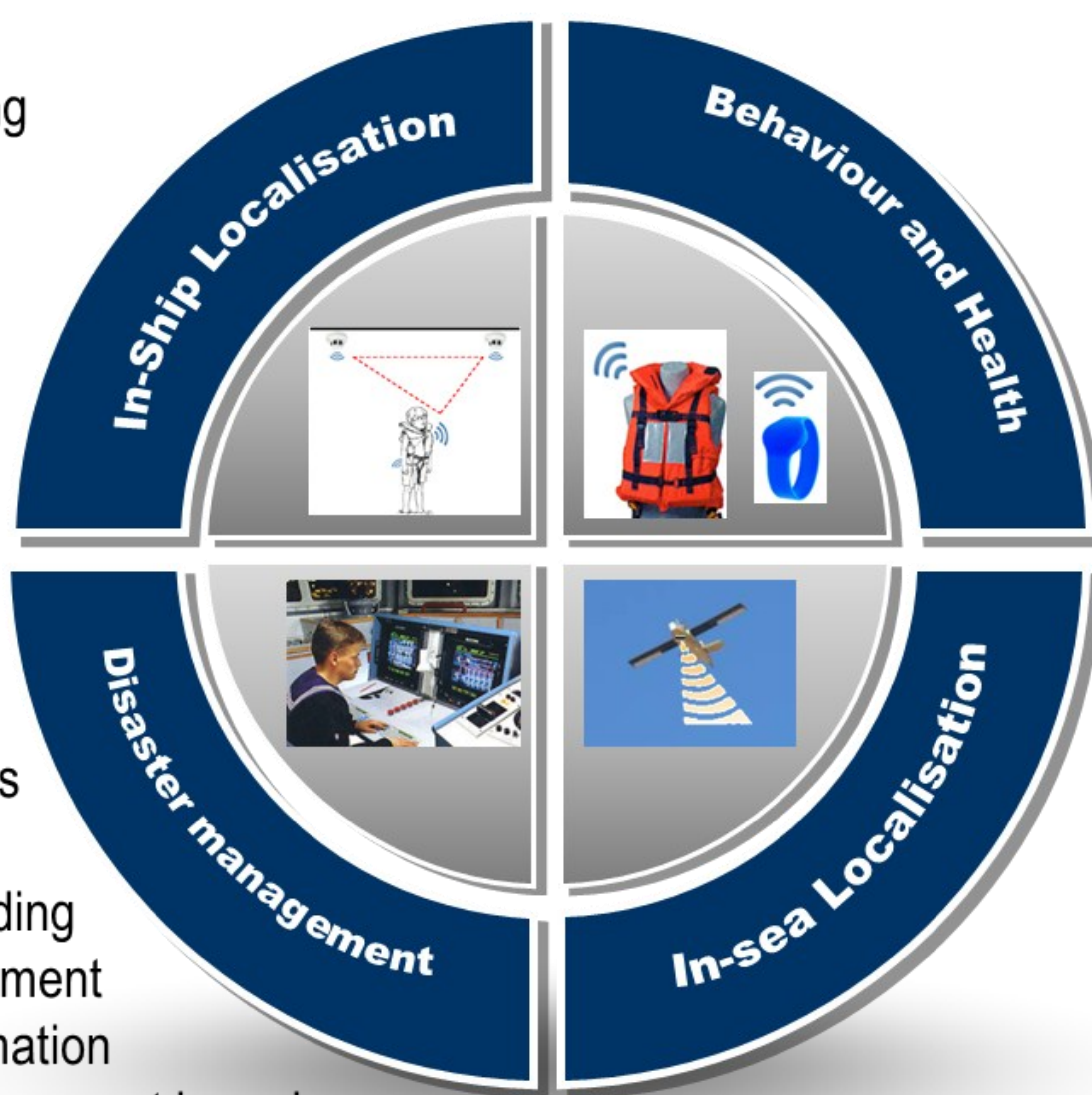


The objective of the European funded FP7 project LYNCEUS is to investigate and demonstrate ultra-low power wireless body-area-network technologies for enabling unobtrusive localisation and tracking of people for onboard and overboard search and rescue as well as for safe evacuation of ships during emergency. The LYNCEUS technology aims to revolutionise current emergency management and ship evacuation practice through the development of beyond the state-of-the-art real-time emergency management and safe evacuation systems which will significantly contribute towards early localisation and rescue of people in danger located onboard a ship or in the sea.

Lynceus Research and Development

Onboard Localisation

- Localisation of passenger and crew during Emergency
- People tracking and counting
- Wearable locator devices (Smart Life-jackets, Bracelets)
- Hybrid wired/wireless localisation system (base-stations embedded in fire detection Infrastructure)



Passenger Behaviour and Health Monitoring

- Life-jacket and bracclet embedded sensors to sent information about:
 - Passenger movement
 - Passenger temperature
 - Passenger dryness or wetness
 - Passenger health parameters

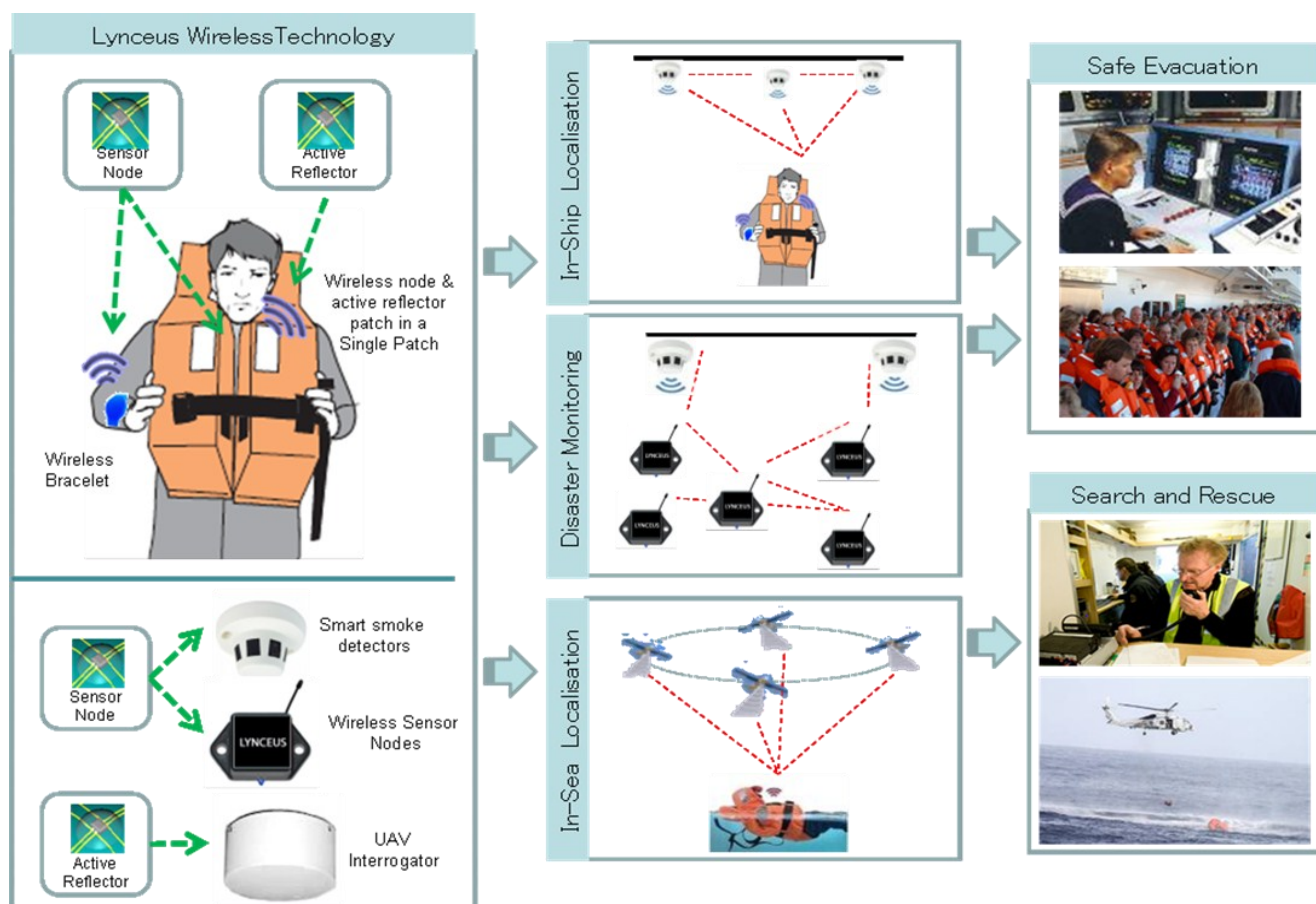
Real-time Disaster Management

- Monitoring of disaster status
- Guide evacuation teams
- Prediction of disaster spreading
- Advanced disaster management based on ship sensor information
- Advanced evacuation management based on passenger location and behaviour

Overboard Localisation

- Life-jacket active reflector patch
- Enable localisation in extreme environmental conditions and during the night
- UAV mounted radar and on-board localisation
- Assistive search and rescue operations with localisation data from UAV

Lynceus Innovative Technology



Lynceus Partners

