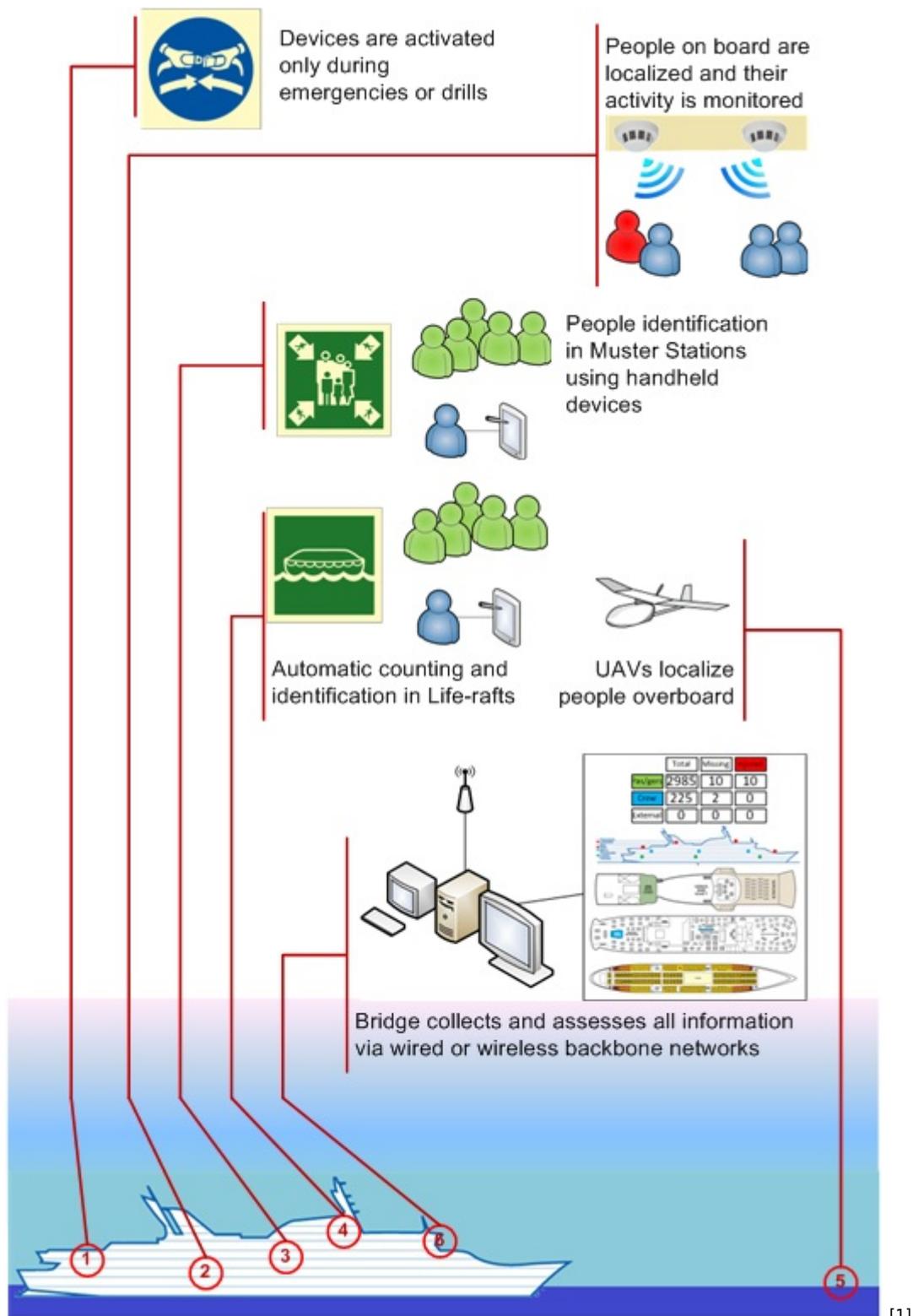




Published on *Horizon 2020* (<http://ec.europa.eu/programmes/horizon2020>)

Saturday, 9 August, 2014

The Costa Concordia and South Korean Sewol ferry tragedies have highlighted the importance of safety in passenger shipping. Thanks to EU-funded research, evacuating large passenger ships should be smoother and safer in future. EU-funded researchers are also helping to design more stable cruise ships and ferries.



Lynceus technology

The three-year [LYNCEUS](#) [2] project, which ends in early 2015, is demonstrating how low-power wireless technologies can help localise and track people onboard ships, providing essential information in cases of evacuation, and improve overboard search and rescue. The aim is to revolutionise current emergency management and ship evacuation practice.

"We have developed innovative wireless tags, which can be embedded into life jackets, so the location of people within the ship can be easily pinpointed," said Dr. Anastasis Kounoudes, technical leader and CEO of [SignalGeneriX](#) [3], one of the project partners. *"This will provide safety officers with the exact location of every passenger and crew member during an evacuation."* The technology can

also be used to monitor the health of patients requesting to wear special bracelets, or help parents keep track of the location of their children on large cruise ships, which can carry thousands of passengers and crew. The researchers in the project have also developed a radar device able to detect the exact location of passengers who have fallen overboard.

The [GOALDS](#) [4] project, which ended in 2012, created new designs for large cruise vessels to increase their safety in the case of a collision or grounding. By redesigning the ships they would have up to 20% more chance of surviving groundings or collisions. These results have been submitted to the International Maritime Organization to improve safety standards and calculations for cruise vessels. The GOALDS project is part of a framework of EU-funded research to improve maritime safety.

European Research, Innovation and Science Commissioner Máire Geoghegan-Quinn said: "*These projects are good examples of how we are tackling issues that can make people's lives better – in this particular case even saving lives. We will continue to invest in this type of research and innovation in our new Horizon 2020 programme.*"

[Press Release in all EU languages](#) [5]

[Congratulations to Lynceus project for Lloyd's List Global Award 2014 in the field of Innovation!](#) [6]

Read also [here](#) [7]

Lloyd's List Announcement: [here](#) [8]

Latest! (6/1/2015) - [LYNCEUS project at TEDx](#) [9]

See also:

[CORDIS](#) [10]

Project:

People Localization for save ship evacuation during emergency

Project Acronym:

LYNCEUS

Project website:

<http://www.lynceus-project.eu/> [2]

Contact:

[Contact](#) [11]

Source URL: <http://ec.europa.eu/programmes/horizon2020/en/news/safer-cruise-ships-thanks-eu-funded-research>

Links

[1] http://ec.europa.eu/programmes/horizon2020/en/system/files/newsroom/lynceusinfographic_v2_7465.jpg

[2] <http://www.lynceus-project.eu/>

[3] <http://www.signalgenerix.com/en/>

[4] http://cordis.europa.eu/result/rcn/56138_en.html

[5] http://europa.eu/rapid/press-release_IP-14-913_en.htm

[6] <http://www.lr.org/en/news/news/lynceus-project-wins-innovation-award-at-lloyds-list-global-awards.aspx>

[7] http://www.signalgenerix.com/en/index.php?option=com_content&view=article&id=246:global-recognition-for-signalgenerix-technologies&catid=69:news-2014&Itemid=260

[8] <http://www.lloydslist.com/ll/awards/>

[9] https://www.youtube.com/watch?v=EJaF8_uR4-s

[10] http://cordis.europa.eu/project/rcn/103573_en.html

[11] <mailto:RTD-SUCCESS-STORIES@ec.europa.eu>

