



DRONE SAR
SEARCH AND RESCUE

The logo is centered within a white diamond shape that has a thin orange border. The diamond is set against a dark grey background with a subtle, repeating pattern of a stylized bird or wing. The text 'DRONE SAR' is the primary focus, with 'DRONE' in blue and 'SAR' in red. The letter 'O' in 'DRONE' is stylized with red and white curved lines. Below this, the words 'SEARCH AND RESCUE' are written in a smaller, grey, sans-serif font.

Oisín McGrath – oisín@dronesarpilot.com



Aeronautical Engineer

Pilot - ATPL (A) & ATPL (H)

CHI – Irish Air Corps

Chief RPAS Inst – Irish Air Corps

CFI– FlyRyte Drone Academy

CEO - DroneSAR

DroneSAR

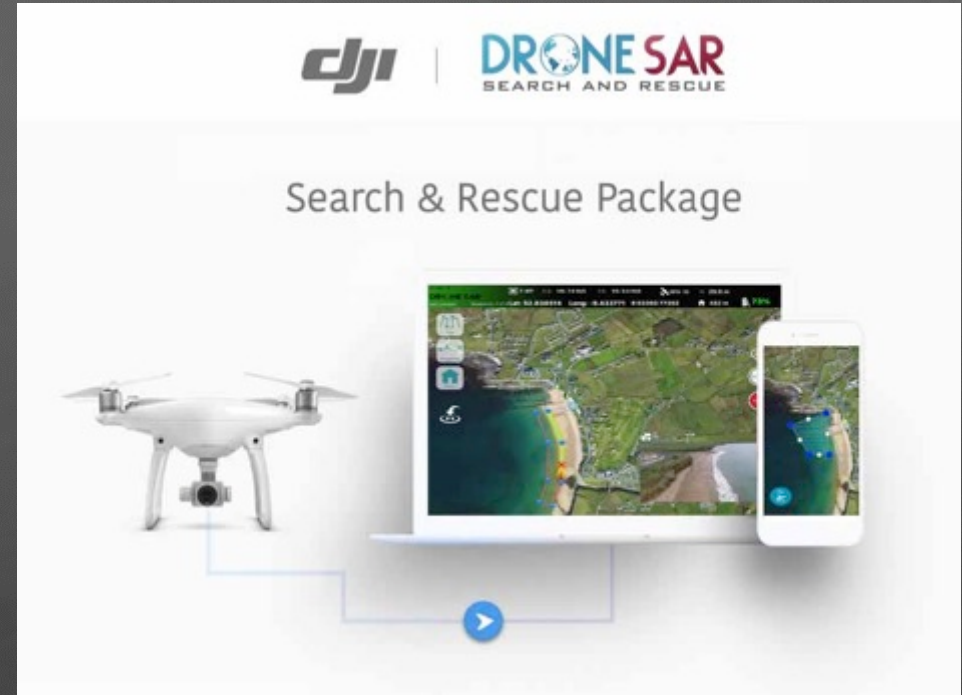


DRONE SAR

SEARCH AND RESCUE



Achievements



The Basic Software



Links Pilot to the Drone

Video Feed

Drone Controls & Camera Controls



DroneSAR – Basic Level

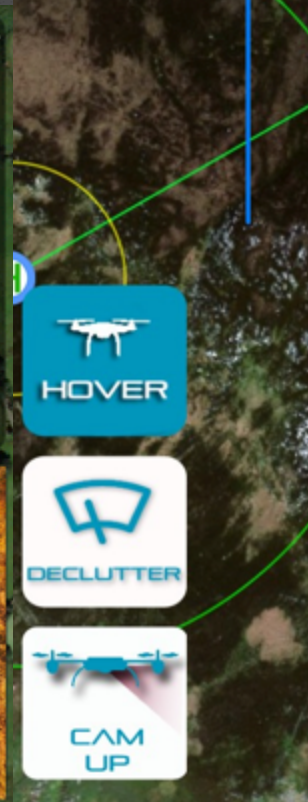
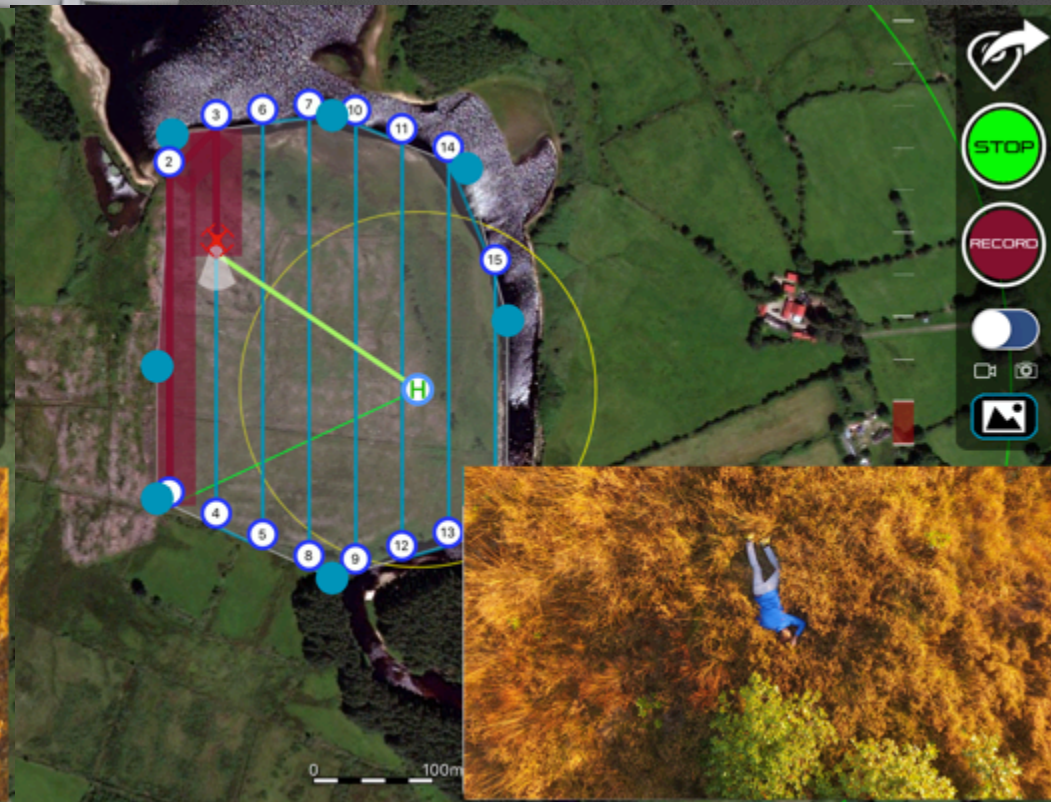
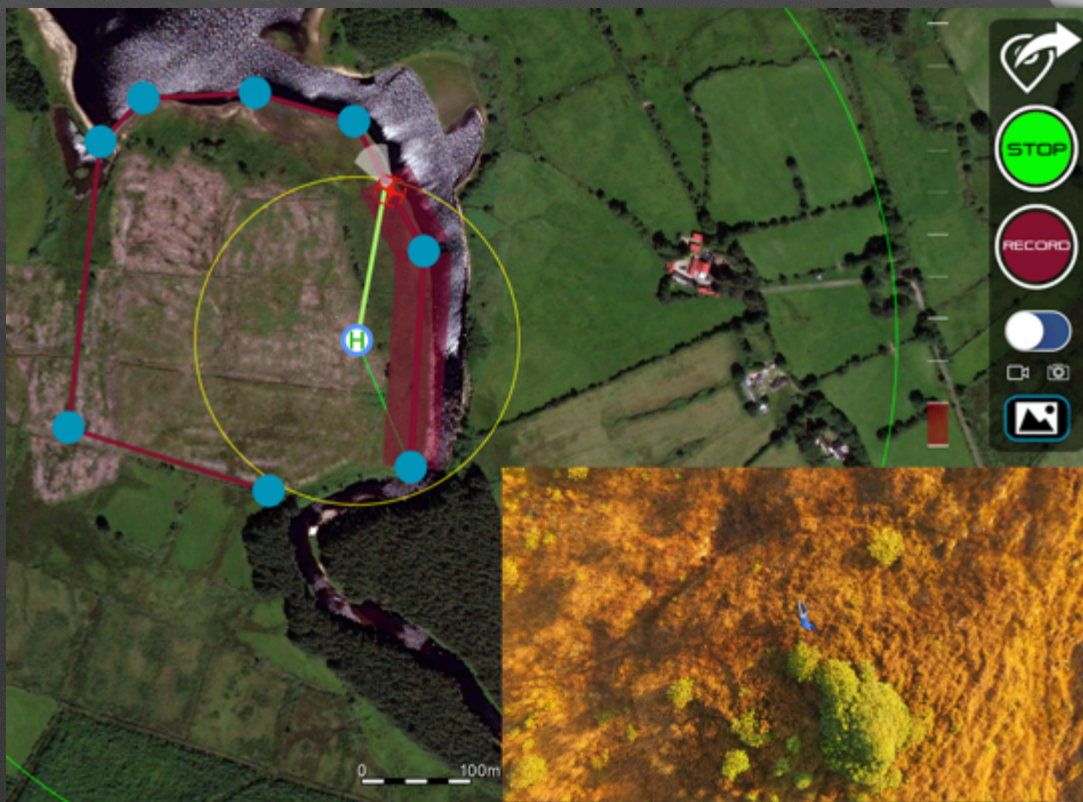


10.0m/s

Autonomous Flight

Share Location

Relevant information displayed



DroneSAR - Connectivity

Share Missions

Location Sharing

Live browser stream



DroneSAR Live Browser



DRONE SAR
SEARCH AND RESCUE

Live Archive 2D 3D Sat Map ois@dronesarpilot.com

Drone Select

- OK1DF1L18DV066
- 08RDE7M00100US
- OK1DEC72AC0856

Drone Log

Drone: Mavic Air
Time: 20:02:18
Date: 09/08/2018
Longitude: -8.2873
Latitude: 53.0929
Grid: O 14720 06073
Altitude: 36.30

Chat Channel

Enter User Name

045N Pin dropped at -
<http://maps.google.com/maps?z=12&w=m&q=loc:53.096770,-8.28888>

D: Mission Started
D: Pilot is creating a grid

DRONE SAR
SEARCH AND RESCUE

Live Archive Sat Map test123@gmail.com

Drone Select

- mavic pro
- NO NAME
- 07J000L00100YE
- Matthew P3

Drone Log

Chat Channel

Enter User Name

ID	Date	Time	Id	Grid	Lat	Long	Go To	Off	On
5	30/08/2018	22:02:59	08RDE7M00100US	V 86960 84432	52.000545	-8.648198	Go To	Off	On
6	30/08/2018	22:00:24	08RDE7M00100US	V 86960 84432	52.000545	-8.648198	Go To	Off	On
7	30/08/2018	21:55:34	08RDE7M00100US	V 86960 84432	52.000545	-8.648198	Go To	Off	On
1	30/08/2018	23:18:30	08RDE7M00100US	G 96115 83609	54.700455	-8.062253	Go To	Off	On
2	30/08/2018	23:14:51	08RDE7M00100US	G 96115 83609	54.700455	-8.062253	Go To	Off	On

DRONE SAR
SEARCH AND RESCUE

Live Archive 2D 3D Sat Map ois@dronesarpilot.com

Drone Select

- OK1DF1L18DV066
- 08RDE7M00100US
- OK1DEC72AC0856

Drone Log

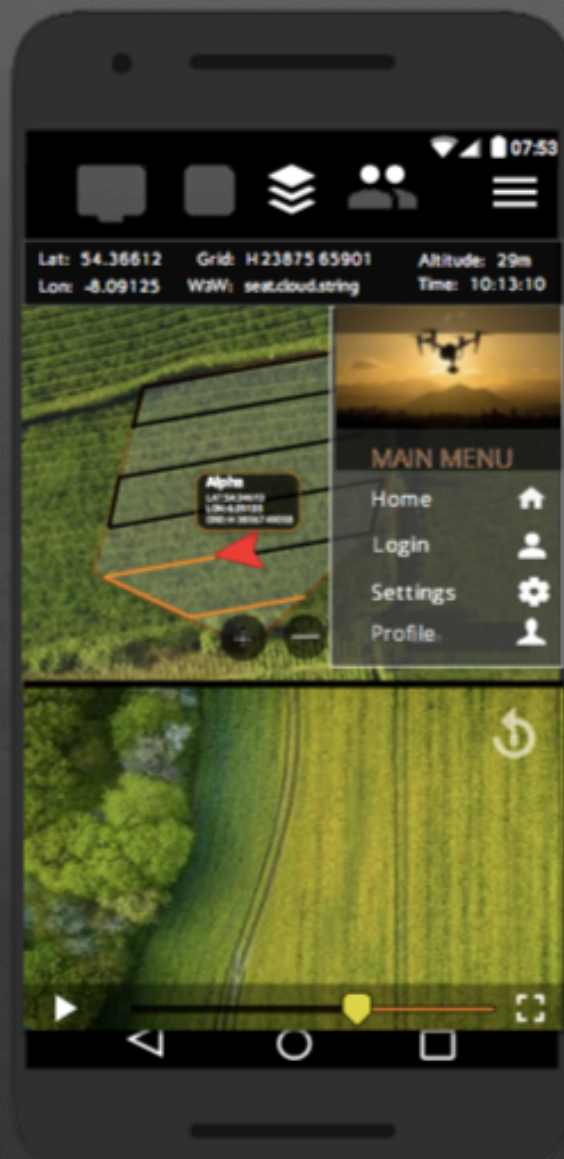
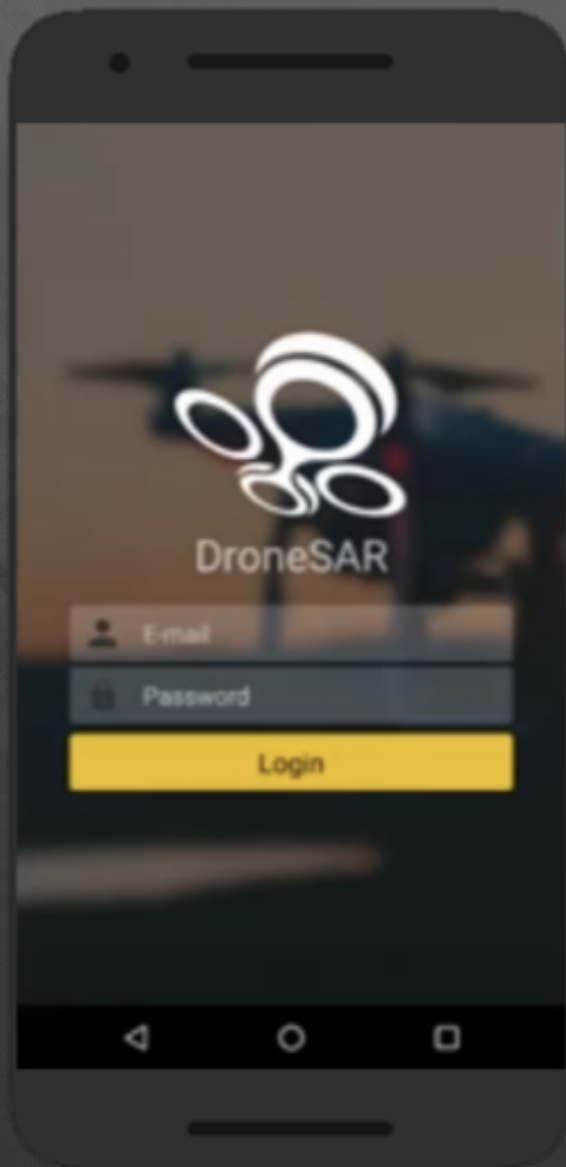
Drone: Mavic Air
Time: 19:59:24
Date: 09/08/2018
Longitude: -8.2886
Latitude: 53.0908
Grid: O 14610 05026
Altitude: 36.30

Chat Channel

Enter User Name

Mission Started
Pilot is creating a grid
Mission Started
Pin dropped at -
<http://maps.google.com/maps?z=12&w=m&q=loc:53.096770,-8.28888>

DroneSAR Team App



DroneSAR – The Copernicus Link

Post Disaster Images

Pilot Console & Live
Browser

Efficient SAR



DroneSAR - The The Copernicus Link

Choose patterns with Real time images

PRE



POST



Make better informed decisions

DroneSAR - The Space Link



DRONESAR
SEARCH AND RESCUE

DISASTER MANAGEMENT SOFTWARE

DRONE ID: SD-4UD231445

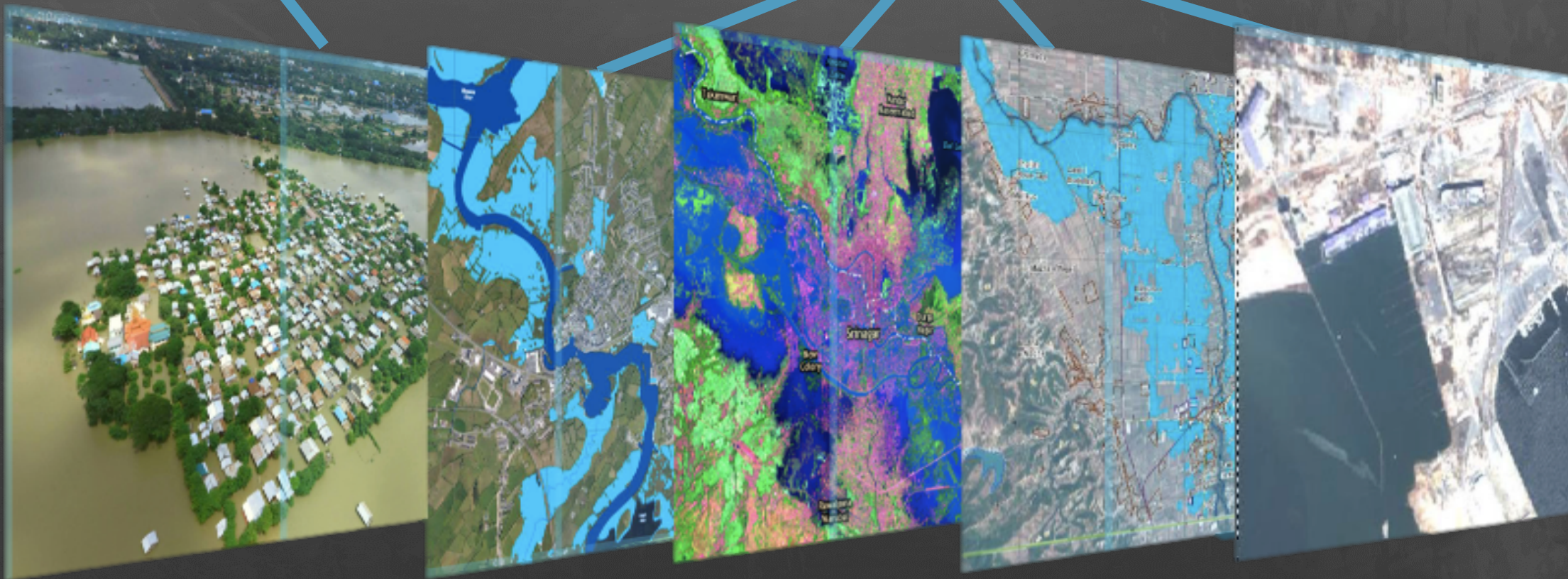
GRID: R13745 60994 ALTITUDE: 30M
LAT: -3.456.678 LONG: 54.678.097
DATE: 02/01/2018 18:45 CET
ALPHA: ATHLONE RIVER BASIN

A screenshot of the DroneSAR software interface. The main window displays a map of a flooded area with a flight path overlaid. The interface includes a toolbar with various icons, a status panel on the right with drone ID, grid coordinates, altitude, latitude, longitude, date, and time, and a sequence of image thumbnails at the bottom, with the 14th thumbnail highlighted in yellow.

DroneSAR - The Copernicus Link

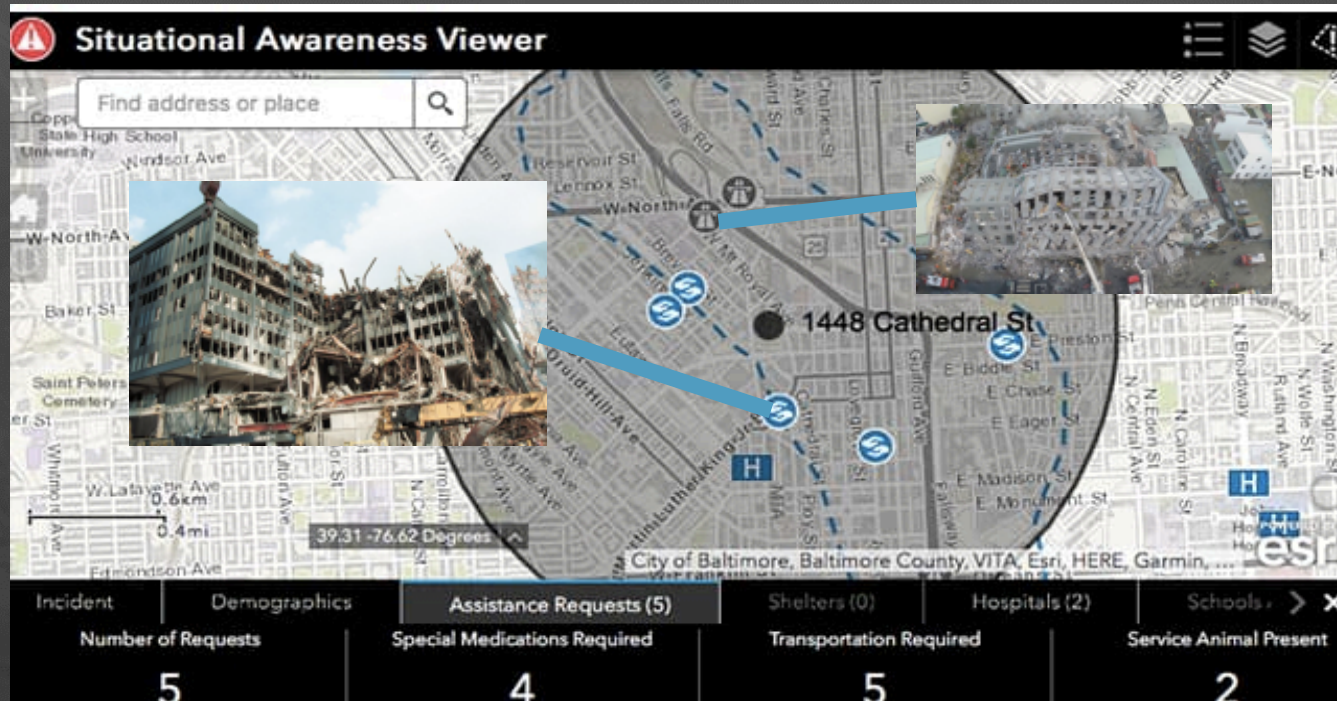
DroneSAR Data

Copernicus Layers



DroneSAR – The BSURE project

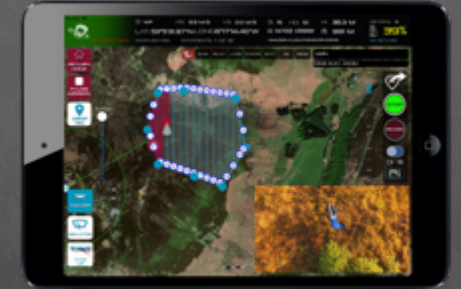
B-SURE



Summary



ARTIFICIAL INTELLIGENCE
The Future of Everything

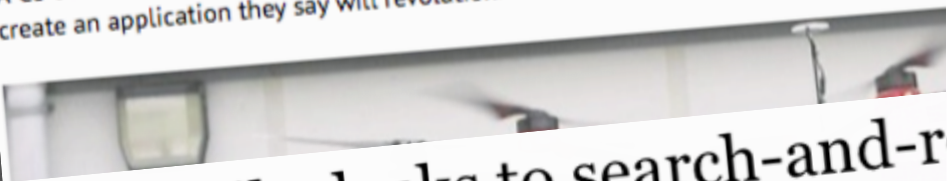


Drones to transform search and rescue



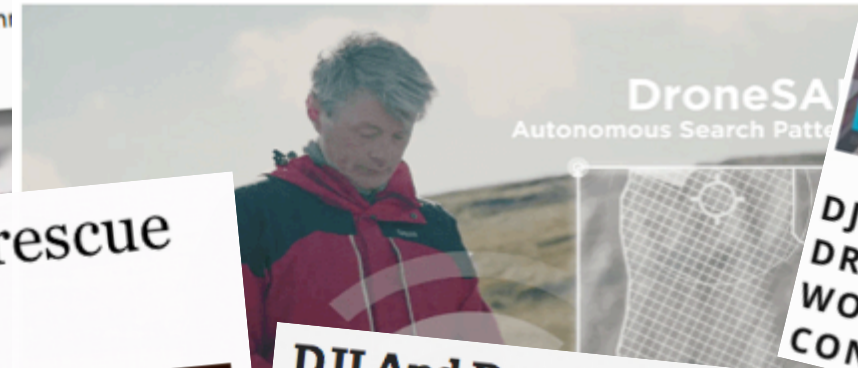
Wednesday, November 30, 2016

Pat Flynn
A Co Clare start-up company has teamed up with the world's leading maker of unmanned aerial vehicles to create an application they say will revolutionise search and rescue operations.



ESA Business Incubation Centre Announces First Client, DroneSAR

By Press - 26 May 2017



Search & Rescue Workshop



DJI, IRISH AVIATION AUTHORITY AND DRONESAR HOST SEARCH AND RESCUE WORKSHOP AT DRONE DATA X CONFERENCE

From bike locks to search-and-rescue drones... 20 firms to watch

DJI Enterprise @DJIEnterprise

Irish lifeguards use the #dji Mavic Pro and @DroneSAR_Pilot software to better conduct search and rescue missions



Is it a bird, is it a plane? No, it's a lifeguard drone at Spanish Point
siliconrepublic.com



DJI And DroneSAR Bring Search And Rescue App To First Responders

DJI, the world's leading maker of unmanned aerial vehicles, and Irish tech start-up revolutionising the search and rescue industry, a new search and rescue app that seamlessly integrates a drone's perspective on life-and-death searches into incident management ensuring rescue crews can use drones effectively to save lives.

SiliconRepublic @siliconrepublic

Meet our #startup of the week @DroneSAR_Pilot



DroneSAR wants to turn drones into search-and-rescue heroes
siliconrepublic.com

Lets Talk!

oisin@dronesarpilot.com