



# EU Drone Days

**Launch of the  
European Drone Strategy 2.0**

**SESAR U-space Showcase**

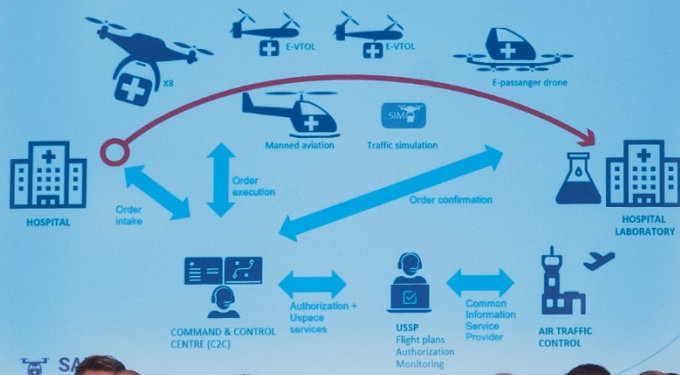
**Brussels, 29-30 November 2022**



**#EUDroneDays**



# SAFIR-Med, an integrated ecosystem

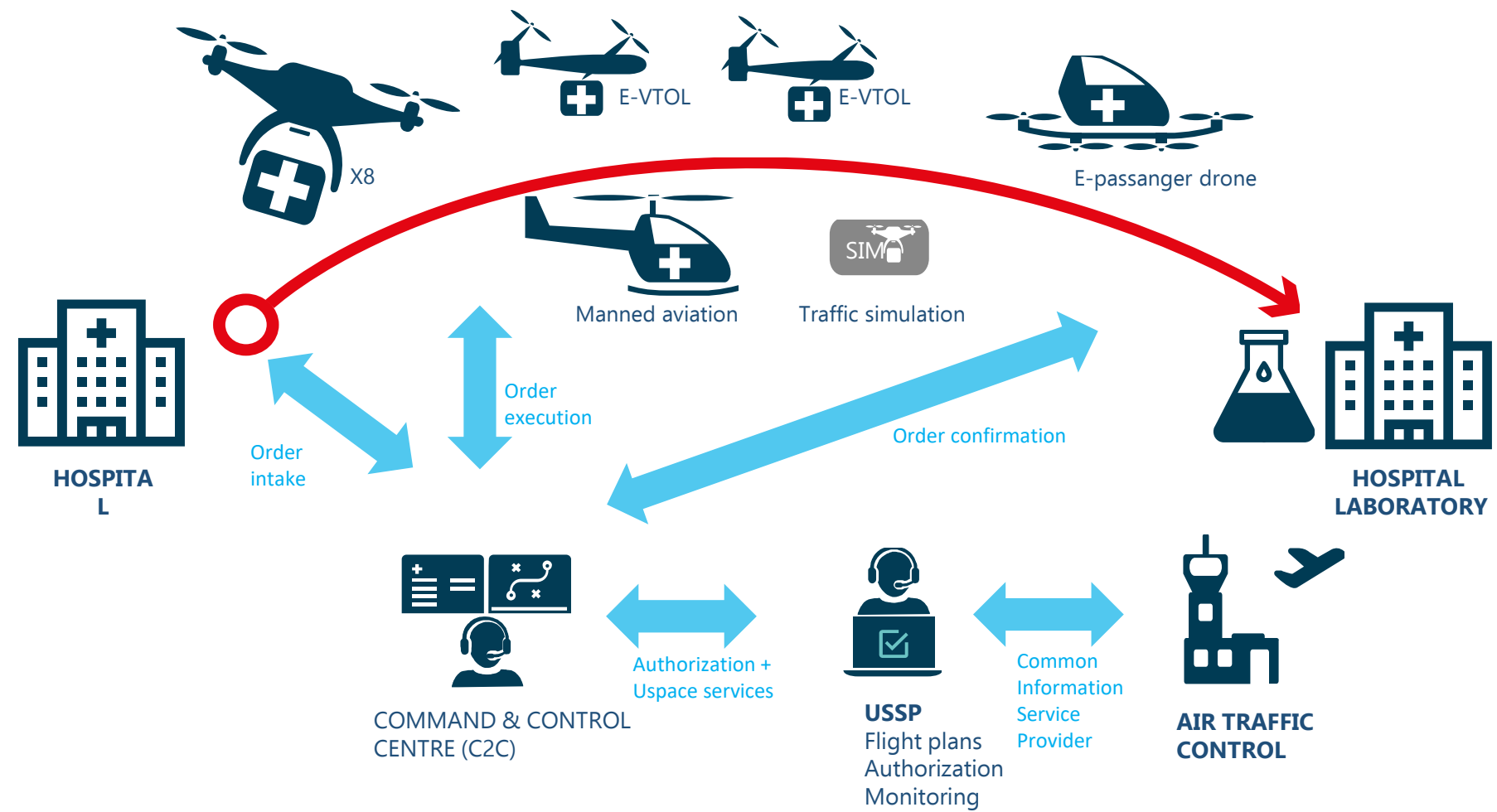


## One Team

- 17 Partners (8 EU countries)
- 12 Advisory Board Members (international)



# SAFIR-Med, an integrated ecosystem



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# SAFIR-Med Consortium

## Command & Control Center (C2C)

|   |  |  |
|---|--|--|
| <br>Drone Operator &<br>Project Coordinator | Powered by<br><br>C2C Software<br>Development | <br>C2C Drone & Traffic<br>Volume Simulations |
|---|--|--|





## Air Traffic Management

|   |  |  |   |  |
|---|--|--|---|--|
| <br>Air Navigation<br>Service Provider<br>(Air Traffic Mgt) | <br>U-Space service<br>provider | <br>U-Space service<br>provider | <br>Unmanned Traffic<br>Mgt Software | <br>Air Traffic Detection |
|---|--|--|---|--|

## Drone Manufacturers

|  |   |   |   |  |
|--|---|---|---|--|
| <br>E-X8 AED Drone | <br>E-X8 Drone | <br>H <sup>2</sup> -VTOL Drone | <br>E-VTOL Drone | <br>E-passenger Drone |
|--|---|---|---|--|

## Dissemination, Research and Society

|  |   |  |   |
|--|---|--|---|
| <br>Communication &<br>Dissemination | <br>U-Space Research | <br>Aviation Research | <br>MAAHL City<br>Representative |
|--|---|--|---|

## Advisory Board

|  |   |   |   |   |   |
|--|---|---|---|---|---|
|  |  |  |  |  |  |
|  |  |  |  |  |  |



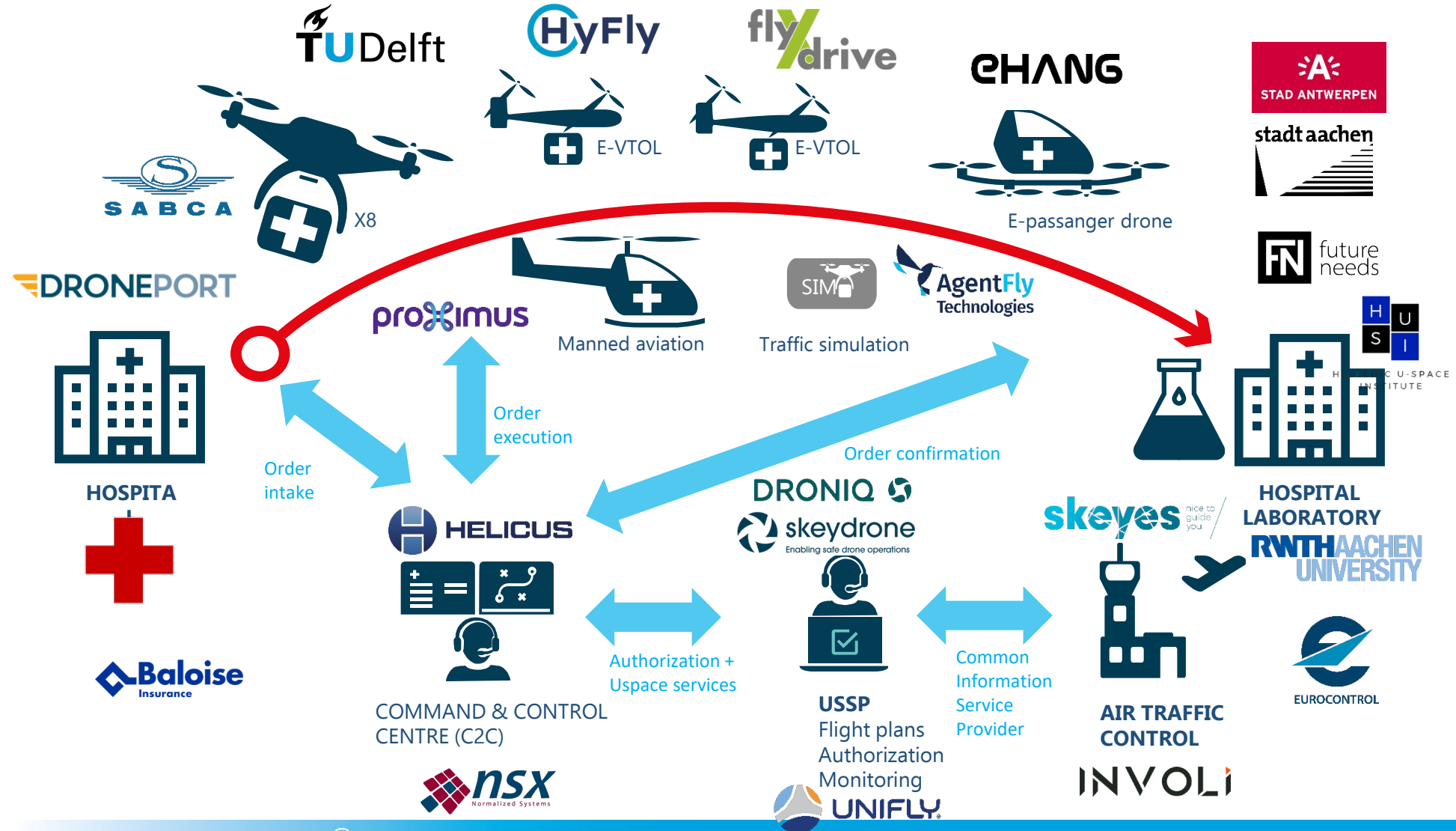
The project has received funding from the European Union's H2020 research and innovation programme under grant agreement No. 101017701



One Day  
November 2022



# SAFIR-Med, an integrated ecosystem



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## SAFIR-Med Achievements – flights in action

| Task       | Description   |   |
|------------|---|---|
| <b>WP1</b> | Requirements, Architecture & Use Case Scenarios             | Real life requirements + simple project setup                                       |
| <b>WP2</b> | Innovative U-Space Services & ConOps per location           | CONOPS improvements (UC1,2,3,13 & 14)<br>(CORUS-UAM confirmed to be included)       |
| <b>WP3</b> | Infrastructure Adaptations & Demonstration preparation      | Interfacing all drones and USSP with C2C  |
| <b>WP4</b> | Integrated Use Case Demonstration & TRL Validation          | Flight (human material) between hospitals<br>U-Space integrated Table Top exercises |
| <b>WP5</b> | Performance Assessment & Recommendations                    | Automation of integrated U-space services   |
| <b>WP6</b> | Project management, Dissemination & Business Sustainability | Won the SJU technical dissemination prize<br>Active on SM and 3 conferences         |
| <b>WP7</b> | Ethics (equals proposal Task 6.3 moved to separate WP7)     | Addressed   |



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## SAFIR-Med Achievements – flights in action

|            |   |                |
|------------|---|----------------|
| 03/10/2019 | First urban medical flight (national legislation)           | SAFIR          |
| 31/12/2020 | EU Drone legislation (2019/945-947)                         | SAFIR<br>Med   |
| 02/04/2021 | Submission request Ops Authorisation (Registered)           |                |
| 31/05/2022 | C2C cross-border control 4 UA/3 countries, U-Space Services |                |
| 17/06/2022 | Ops Authorisation obtained (Operator level)                 |                |
| 06-09/2022 | First EU BVLOS flight over populated Area (Antwerp)         |                |
| 06-07/2022 | Submission Art 13 in NL and DE (obtained in NL)             |                |
| 26/10/2022 | U-Space test flights in Aachen                              |                |
| 01/2023    | BVLOS integrated Flights with art 13 (DE, NL)               |                |
| 26/01/2022 | U-space Service & Rapid authorisation                       | SAFIR<br>Ready |



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