It is only a matter of time before a new category of airspace users acquires a main role in our skies: drones. The remotely-piloted aircraft market is expanding its frontiers day by day, developing new applications in disparate sectors, from agriculture to mail or UAM (Urban Air Mobility) services. As a result of the consistent proliferation of drones, it has become imperative to develop a solution that will enable their efficient integration into the airspace. What we need is a combination of technological and innovatory services that will permit safe access and control of drones, guaranteeing the maximum level of safety to all users. This solution has become a reality: the UTM (Unmanned Traffic Management) system.

UTM

Connecting drones safely, creating a better airspace
We care about safety

The Indra Drones portfolio is completed with an antidron system, ARMS, capable of detecting and neutralizing possible threats. Through the joint integration of the UTM, ATM and ARMS (C-UAS) systems, we guarantee an improvement of the situational awareness of every actor, resulting in an immediate increase of the airspace’s levels of safety and security.

How does the system work?

Indra Air Drones compasses two solutions to manage unmanned traffic: UTM Hub y UTM Connect, which, in collaboration with the detection and neutralization plan, empower drone integration in a local, regional and national level.

Some of its main functionalities are:

- Real-time monitoring
- Air structure and data management
- Central management of airspace access
- Interfaces with national registries
- Coordination between actors
- Conflict detection and resolution

The UTM Hub is completed with the UTM Connect.

The services provided are:

- Online access and registration
- Access to airspace information
- Flight planning support
- Real-time flight execution and monitoring
- Geofencing edition and telemetry
- Conflict prevention and resolution.

Furthermore, the UTM Connect platform will be easily accessible to all users throughout our web page or phone application.

After analysing our client’s specific necessities and country regulations, we customize our response in order to build a progressive implementation program that will fulfil our clients’ requirements. Indra accompanies its clients through the entire process of UTM integration with ATM systems, guaranteeing a complete solution that will meet the highest safety expectations.

With more than 100 years of experience in ATM, Indra keeps ensuring the safety of today’s airspace as well as tomorrows.

It is time to embrace innovation: Welcome to the drone era.