

Orbital systems
Satellites
Transversal competencies



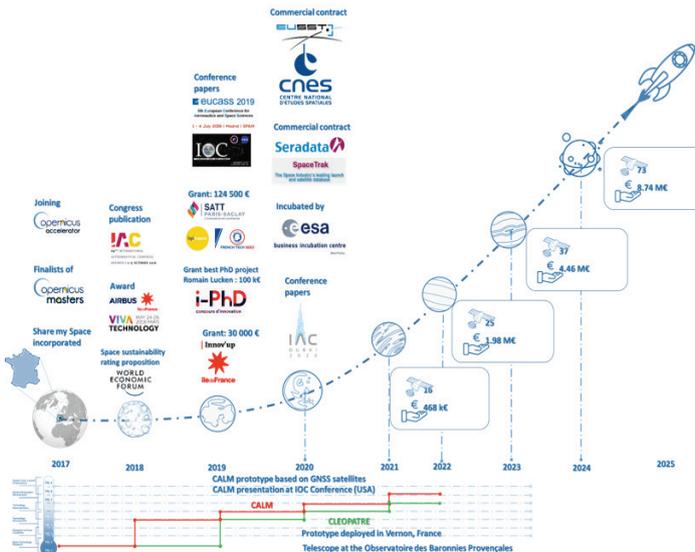
Share My Space aims at removing and recycling debris from outer space to maximize satellite efficiency. While working towards that goal, we are writing custom software for companies interested in launching and maintaining satellites with lower risks of collisions. Our services range from on orbit collision risk prediction to spacecraft design engineering and mission planning.

COMPETENCIES & CAPABILITIES

To date, Share My Space has developed an ambitious strategy that will enable us to reach a turnover of nearly €45 million in 7 years and to establish a global presence.

It is based on the commercialization of a very innovative technology which uses optical means, and which will allow Share My Space to index more than 250 000 objects in orbit.

Moreover, due to the background of the team members, Share My Space has an expertise in plasma Physics, orbital dynamics, and satellite electric propulsion.



SHARE MY SPACE

PRODUCTS & SERVICES

Share My Space develops a complete range of products that occur at different parts of the satellite's life cycle. Firstly, we have INDEMN, a congestion simulation tool that occurs at the launch part. Then, CALM, is the space traffic manager software which is our core product, and satellite ID which is the grey card containing the history of the maneuvers and the risks of collision and debris positioning. Those ones take place during the operating period of the satellite, and later we have DRYADE for the debris removal. We also propose MANEXT, a set of algorithms used for maneuver detection and characterization, based on time series analysis of the TLE public catalog, and PADME, a technological project which consists in identifying the properties of the solar wind using deep learning methods that will be integrated on CALM software later.

We also offer some ancillary products: monthly and bi-annual reports and market insights, event intelligence and consulting, and Taylor made services, such as COLA for launchers and in orbit servicing.

MAJOR SPACE PROJECTS & REFERENCES

Share my space obtained a commercial contract with the CNES and Seradata in 2020 and plans to reach 468k€ within 2022.

The long term vision of Share My Space is to deploy a constellation of satellites that would capture targeted space debris to recycle them in orbit. Keeping this goal in mind, we have been committed in the Space Situational Awareness market since 2017. Within the framework of the SPACEWATCH project, patented technological solutions will be deployed and Share My Space will benefit from complete independence in terms of object catalog. With 250 000 objects, it will constitute the most complete database in the world.

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TURNOVER

WORK FORCE

SPACE TURNOVER

SPACE WORK FORCE