

LASTING Software

Satellite telecommunications



Validate satellite back-hauling for mobile networks (directly & together with partners)

- Build a local satellite communication network (modems + HUB + satellite channel emulator)
- Integrate this system with a (4G, 5G-ready) mobile terrestrial network
- Validate performance of these integrated systems (CBH)



End to end product quality assurance (networking, RF & automation)

- Testing new features & functionalities of satellite communication systems
- Validate custom configurations
- Develop and maintain an automation framework for end to end testing (Java/Groovy-based technology)
- RF validation for new devices



Core product software development (C++, Java, Ruby)

- Develop satellite communications features
- Develop modem scheduler
- Develop equipment interfaces



End to end customer support

- Mobile communication network demos to end customers
- 24-hour customer support
- Train end customers in new systems functionalities



Project management

- Manage automation regression projects
- Manage new release and feature development
- Manage European Space Agency (ESA) cofunding projects



ST Engineering



LASTING Software & ST Engineering iDirect Europe - mobile networks & satellite communications solutions

Lasting Software collaborates with ST Engineering iDirect Europe, a pioneer and leader in the field of equipment and technologies for satellite communications, in a project aimed to establish a telecom R&D center in Timisoara, co-financed by the European Space Agency (ESA).

Lasting Software brings to this project its valuable experience in providing mobile networks and satellite communications solutions for its customers all over the world.

As part of the project, LASTING Software has built a competence center for satellite telecom services. The emphasis is on cellular backhaul solutions (3G, 4G 5G). Our software engineers have developed a satellite backhaul solution for mobile communication. The activity involves automated testing for satellite equipment, testing high throughput satellite links, trunking and mobility solutions. We have also researched Satcom integration with other equipment. In order to get relevant results, we have gone through mobile network design and optimization, network measurements, metrics processing and on-field network implementation.

CSON - Unviersity of Jyväskylä (Finland)

For this project, the LASTING Software team has developed a Cognitive Self Organizing Network (SON) solution for 5G networks which has enabled its customer (the Finnish Unviersity of Jyväskylä) to run simulations for 4G/5G mobile networks and optimize hand-over parameters in real time. The project consists of the application framework and a mobile app which work together under the project scope.