Magister Solutions Ltd

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Magister Solutions has a unique collection of world class expertise in the area of mobile, satellite and security technologies.

Our Services

R&D

Developing new RRM concepts, algorithms and solutions for both user devices and networks is one of the cornerstones of our expertise.

Simulators and Test-beds

We are professionals to design, implement and maintain software based simulators modeling real world wireless system behavior, interactions and protocols in detail.

Trainings

Our trainings include wireless telecommunication and simulator related courses (LTE, LTE-A, NS3, ...) . We have ready-made courses but you can ask tailored ones.

Advisory and Software

Advisory services and high-end software solutions supplement our service offering . See our own products and how we could help you with your projects

Simulators and test-beds – Examples

Simulation and Modeling – Use Cases

CUSTOMER'S OWN TOOL
Simulator V 1.0

MAGISTER SOLUTIONS
Simulator V 2.0

CASE CASE CASE CASE

Self Optimizing Networks
Enhanced network and handover performance through dynamic load balancing

Drive Test Minimization
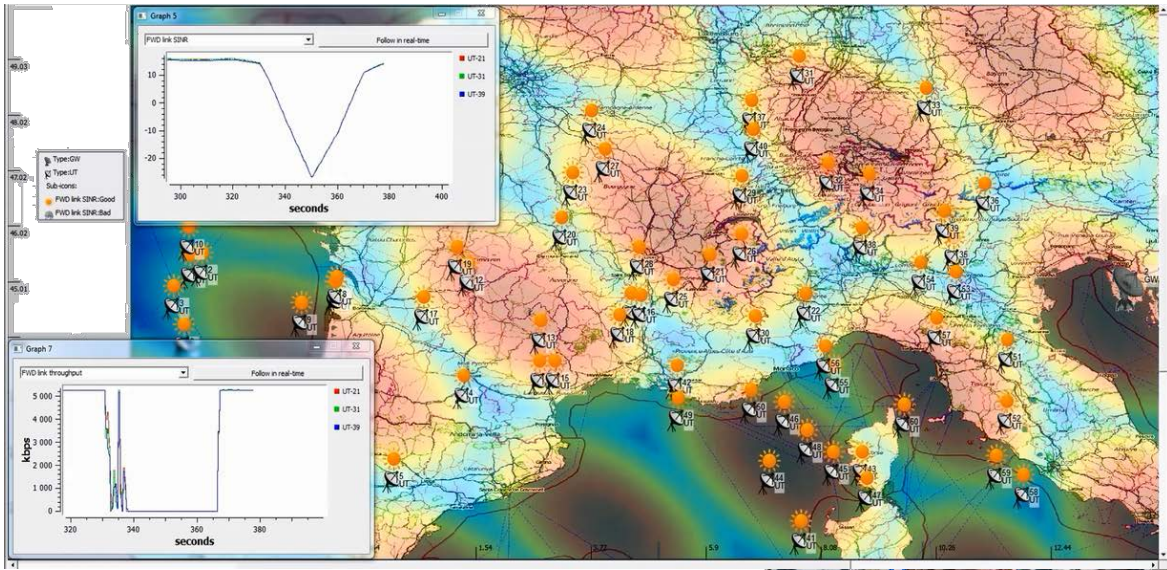Coverage Optimization with Extended Radio Link Failure Reporting

LTE VoIP
User Equipment Energy Efficiency and battery savings versus LTE Network Performance

Next Generation Mobile Network (operator alliance)
Typical user data rates in contrast of LTE and HSPA system peak data rates

MAGISTER SOLUTIONS LTD

PROPRIETERY MODULES

CONCEPT AND FEATURE DEVELOPMENT

DESIGN, DEVELOPMENT, TESTING AND MAINTANANCE

OPEN SOURCE COMMUNITY NS-3

SIMULATIONS AND RESULT ANALYSIS

INPUT FOR THE COMMUNITY

CUSTOMER SUPPORT AND TRAINING
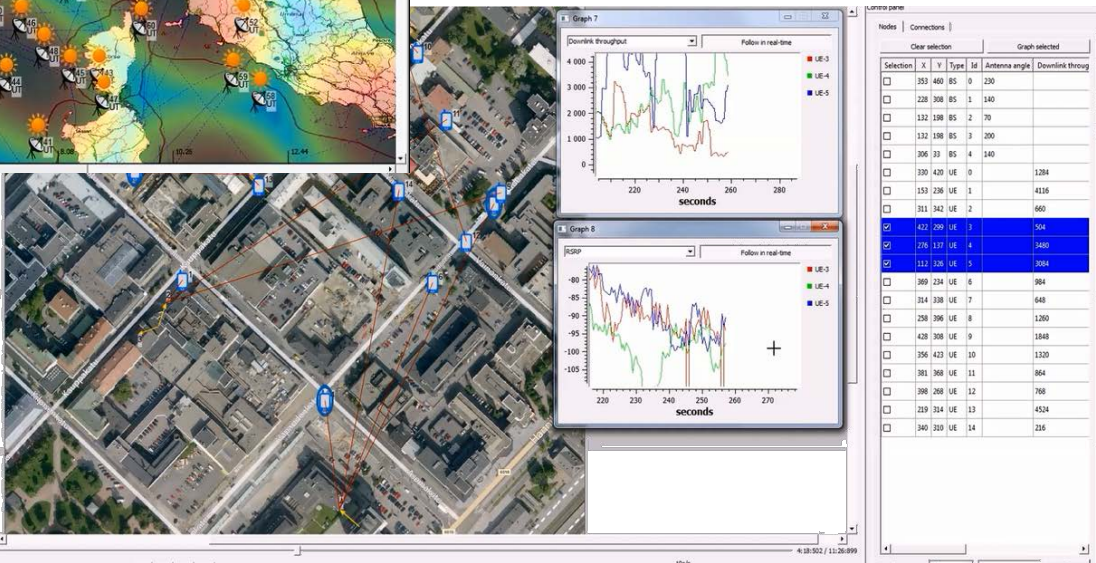
MAGISTER
SOLUTIONS

Simulators and test-beds

NS-3 based Magister tool with modules for LTE (mobility extension) and satellite communication

Plug&Play real devices to simulator!

Download demo video:
https://www.dropbox.com/s/er5viu7jk5x9saa/NEFPlayer_demo.mp4

Demonstration

- SNS3 - Satellite Network Simulator 3
  - Simulator (module) developed on top an open source Network Simulator 3 (ns-3) platform
  - Multi-spot beam satellite network by
  - Baseline developed within ESA ARTES 5.1 project
  - satellite-ns3.com

- NEF player simulator independent visualization
  - Visualization tool for visualizing the internals of the simulator for demonstration and debugging purposes
  - Currently used on top of proprietary simulators, custom demonstration scripts and Network Simulator 3

http://satellite-ns3.com/