



Sympas s.r.l.

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QR VCard

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Together...

Sympas s.r.l. has been recently constituted by a team of skilled engineers with a PhD in Remote Sensing Systems for research, development and consulting in the field of radar and surveillance systems.

Being its name inspired by the Greek word **σύνμας**, the Sympas s.r.l. gathers *together* the highly qualified and widely spread experience and expertise of its members in the above fields.

It can be considered as an entrepreneurial spin-off from the University of Rome "La Sapienza" so that its shareholders and staff have all a scientific/academic background.

The constant collaborations carried out in the last years with academic centres, governmental agencies and industrial partners provide Sympas with a special capability to establish a close synergy between fundamental research and the world of industry.

With its basis in Rome (Italy), Sympas can count on an easy access to the radar Italian industries network, highly concentrated in this area.

The international visibility of Sympas members is demonstrated by the participation to international research programs, the scientific collaborations with foreign Universities and research centres, and the continuous contributions to high qualified technical journals and international conferences.

...to get there

Sympas s.r.l. combines high-level, innovative thinking with efficient implementation skills, to provide its customers and partners with creative, technically sound, and most advanced solutions.

Its goal is to fulfill customers' expectations with on job, on time, and on costs solutions to lead them one step ahead of their competitors.

Sympas' skill set covers:

Development, Optimization, Implementation of Radar Signal & Data Processing Algorithms

Adaptive Processing Techniques, Synthetic Aperture Imaging (SAR, ISAR), Space Time Adaptive Processing (STAP), Array Processing and Digital Beamforming, ECCM Techniques, CFAR Detection Techniques, Advanced Processing for Target Tracking, Object Classification & Features Extraction.

Radar Systems Analysis, Design, Optimization & Performance Evaluation

Ground-based, Airborne, Shipborne, and Space-based radar, Multistatic and Passive radar, Multi-channel systems, ATM/ATC radar, Digital Radar Receivers, Wideband Systems, Advanced SAR Modes (ScansAR, Spotlight, Squint, Bistatic), Beam Pattern Synthesis.

Simulation & Testing

Measured Data Analysis, Clutter Modelling, SW Analysis Tools Development, Waveform Generation, Performance Evaluation, Virtual Prototyping, Systems Demonstrators.