

COMET: K-Project

DeSSnet Dependable, secure and time-aware sensor networks	
Main location	Styria
Other locations	Carinthia
Research programme	Development of Key Enabling Technologies for <ol style="list-style-type: none"> 1. Wireless Sensors and Communication, 2. Security 3. Network Dependability, and 4. Time-aware Analytics Building an Innovation Lab for verifying the technological advances with company driven applications and use-cases
Planned realisation and outcomes	
A major challenge in the digital transformation of industry is the acquisition, time-aware analytics and managing of complex processes by means of highly advanced and dependable wireless sensing systems. It is the aim of the K-Project to enable the future usage of sensor networks as dependable and as cost-efficient as possible. DeSSnet will thus concentrate on selected future-oriented Key Enabling Technologies for wireless sensors and communication, to achieve security, dependability, interoperability and energy efficiency, as well as time-aware analytics in applications and services.	
History of establishment	With a complementary consortium of globally active industrial and leading international scientific partners, DeSSnet covers the whole value chain of wireless sensor networks. DeSSnet establishes and sustains the vision of the involved regions Styria and Carinthia as the core technology cluster of electronic components and systems in Austria with a global leading position.
Selected company partners (max. 10)	Selected scientific partners (max. 5)
<ol style="list-style-type: none"> 1. AVL List GmbH 2. Detego GmbH 3. Haas Fertigungsbau Holzbauwerk Gesellschaft m.b.H. & Co. KG 4. Infineon Technologies Austria AG 5. Internet of Things 40 Systems GmbH 6. Messfeld GmbH 7. NXP Semiconductors Austria GmbH 8. Treibacher Industrie AG 9. Weitzer Holding GmbH 10. Yagoba GmbH 	<ol style="list-style-type: none"> 1. JOANNEUM RESEARCH Forschungsgesellschaft mbH 2. Lakeside Labs GmbH Graz University of Technology with: <ol style="list-style-type: none"> 3. Institute of Applied Information Processing and Communication 4. Institute of Microwave and Photonic Engineering
	Selected international partners ¹ (max. 5)
Start of the K-Project	1.6.2017 (4 years)
Number of personnel	74,77 FTE involved (including 12,98 FTE women)
Total costs	EUR 6 Mio
Leader of consortium:	JOANNEUM RESEARCH Forschungsgesellschaft mbH, DIGITAL – Institute for information and communication technologies
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¹ Partners with headquarters outside Austria