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ORGANIZATION ACTIVITY TYPE

- SME

BRIEF DESCRIPTION OF THE ORGANIZATION

Complex hardware and software solutions for small to medium private boiler-houses and their clusters, including GPRS monitoring and on site control points.

SPECIFIC EXPERTISE/CORE TECHNOLOGIES

In IT sphere it is full cycle of distributed software development including specific controllers programming, remote and wired inter-controller communication, GPRS communication, cloud services.

EXPERT I



Mr. Nikita Kapitonov, head of IT department

Master's degree in IT system analytics from Moscow Institute of Physics and Technology (2009). Experience in software development, SAS BI consulting. Head of growing IT department in Hydromontage since October 2009. Creator and manager of a number of projects including GPRS-monitoring cloud service "Teplomonitor" and distributed heating controller "SmartWeb".

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KEY WORDS ON CORE COMPETENCIES

Distributed controllers, GPRS monitoring, cloud technologies, hardware integration, energy efficiency

ORGANIZATION CONNECTION TO THE H2020 RESEARCH OBJECTIVES

Topics-areas	Of interest	Worked Before	Capable in this area
ICT in 'Excellent science'			
<i>Research infrastructures</i>			
Development, deployment and operation of ICT-based e-infrastructures	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
ICT in 'Leadership in Enabling and Industrial Technologies'			
<i>A new generation of components and systems</i>			
Smart System Integration	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
Advanced Thin, Organic and Large Area Electronics (TOLAE) technologies	<input checked="" type="checkbox"/>		

<i>Advanced Computing</i>			
Customized and low power computing	<input checked="" type="checkbox"/>		
<i>Future Internet</i>			
Smart Networks and novel Internet Architectures	<input checked="" type="checkbox"/>		
Smart optical and wireless network technologies	<input checked="" type="checkbox"/>		
Advanced Cloud Infrastructures and Services	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
Tools and Methods for Software Development	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
FIRE+ (Future Internet Research & Experimentation)	<input checked="" type="checkbox"/>		
More experimentation for the Future Internet	<input checked="" type="checkbox"/>		
Advanced 5G Network Infrastructure for the Future Internet	<input checked="" type="checkbox"/>		
<i>Micro- and Nano-electronic technologies, Photonics</i>			
Generic micro- and Nano-electronic technologies	<input checked="" type="checkbox"/>		
<i>ICT Cross-Cutting Activities</i>			
Internet of Things and Platforms for Connected Smart Objects	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
Human-centric Digital Age	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
Cyber security, Trustworthy ICT	<input checked="" type="checkbox"/>		
<i>ICT in 'Societal challenges'</i>			
New ICT-based solutions for energy efficiency	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>