π-Technologies
Spyridon Blatsios
sblatsios@pi-tech.gr

This presentation is for

☐ **Workshop 1** Big Data
☐ **Workshop 3** Photonics and Micro-and-Nanoelectronics
 x **Workshop 2** Robotics
☐ **Workshop 4** internet of Things

Description of the Organization

π – **Technologies** is a spinoff company of Platon Ltd and it started aiming to the capitalization of the educational and information technology initially developed with-in Platon Ltd. In now days π – Technologies is aiming to the following markets: Research & Innovation, Research Management, Educational Technology.

π – **Technologies** for the time is in close collaboration with the Technological and Educational Institute of Central Macedonia (Greece), acting as a representative of the Institution. There is also a collaboration with the Aristotle University of Thessaloniki in the sector of Educational Technology.

Main Know-how Robotics, Advanced Materials, Geothermy (all of the above in collaboration with the Technological & Educational Institution of Central Macedonia), Educational Technology, Gamification, Game Based Learning, Software Development (in collaboration with the Aristotle University of Thessaloniki).

The organization is already involved in an **European projects** such as, Erasmus+, Horizon2020.

The key persons involved in the project are highly trained professionals with academic degrees (MSc and PhD) and also professional managers with a long experience in the implementation of European Projects (more than 20 projects the last 4 years). They all have publications in peer reviewed journals and conferences (regional and international).

Advantages of the Project Proposal Robotic-assisted 3D computed X-Ray Tomography (geometry reconstruction)

- Avoid of artifacts produced by the processing of the X-Ray projections (Iterative Artifacts & Ring Artifacts suppression)
- Optimization of geometry reconstruction, due to robot-induced large number of DoF
- Minimization of the inspection time of parts underlying in X-Ray Computed Tomography

Robotic-assisted in-line inspection by computed X-Ray Tomography

- Optimization of the NDT inspection process and time based on Computed Tomography
- Evaluation based on multi-plane methods offers more data than 2D methods (e.g., radiography)
- Higher resolution for NDT tasks can be achieved Fast computers and algorithms allow pace keeping analysis

Consortium - profile of known partners *(if any)*
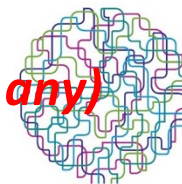
No	Partner Name	Type	Country	Role in the Project
01	π-Technologies	SME	Greece	Technology Partner
02	Technical & Educational Institution of Central Macedonia	UNI	Greece	Knowledge Partner
03	WERTH	IND	Germany	Tomography Industry
04	Shadow Robot Company	RTD	UK	Robotics Research and design
05				
06				
07				
08				
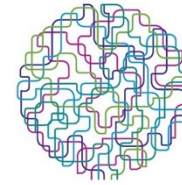
Spyros Blatsios
π-Technologies
EU-Funded Projects
Greece
+302351077020
sblatsios@pi-tech.gr
http://pi-tech.gr

Recommendations
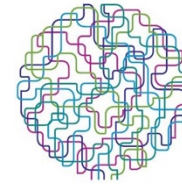
- The presentation **has to** last up to **4 minutes (maximum)**

- Do not overload your slides

- Provide weblinks to additional material

- Slides should be in English

- Do not use videos etc. – they might be not supported by the Infoday IT system

- Send your presentation in PDF or PPTX format to: ICT@turkeyinH2020.eu **before November 21, 2016.**