



Horizon 2020 Secure Societies European Info Day and
Brokerage Event

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Zanasi & Partners

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Zanasi & Partners

- Italian SME specialised in security research (appointed full member of ESRAB and ESRIF)
- Personnel: former Carabinieri officers, IBM executives, international researchers
- Strong links with European and non-European LEAs
- More than 15 EC-funded security research projects

SCIDDI-POC (Symmetric Ciphers Design, Demonstration, Implementation in IoT networks and Proof-Of-Concept)

- *Objectives:*
 - *To design robust and ultra-lightweight cryptographic algorithms to be implemented on hardware offering minimal computational resources (as for IoT devices)*
 - *To design a family of symmetric ciphers whose security can be formally proved simulating implementation and performance*
 - *To develop a proof-of-concept chip implementing ultra-lightweight encryption*
- *Expected results*
 - *Improve the security of IoT devices*
 - *Increase the trustworthiness of European ICT services and products*

Consortium - profile of known partners and Required Partners



No	Partner Name	Type	Country	Role in the Project
01	Zanasi & Partners (coord.)	SME	IT	Coordinator, security applications
02	Università di Trento	RTD	IT	Design of symmetric cryptosystems and light-weight ciphers
03	Università di Milano	RTD	IT	Circuit minimisation for the implementation of symmetric cryptographic primitives
04	Barco	IND	BE	Hardware/software manufacturing
05	Oberthur Technologies	IND	FR	Embedded digital security
06	Italian Ministry of Interior – Scientific Police	EU	IT	End-user
07	...	IND	any	Expert of Internet-of-Things
08	...	IND	any	Development of proof-of-concept chip
09	...	EU	any	LEAs, financial institutions, media

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