

ADANI

ADVANCED ANALYTICAL INSTRUMENTS SINCE 1991

Case study – MESMERISE project

Alexandra Petkevich

ADANI High-Tech Innovation Center



14 000 sq. m. of space
5 X-Ray Shielded labs

100 R&D engineers
320 manufacturing specialists

Clean room

www.adani.by

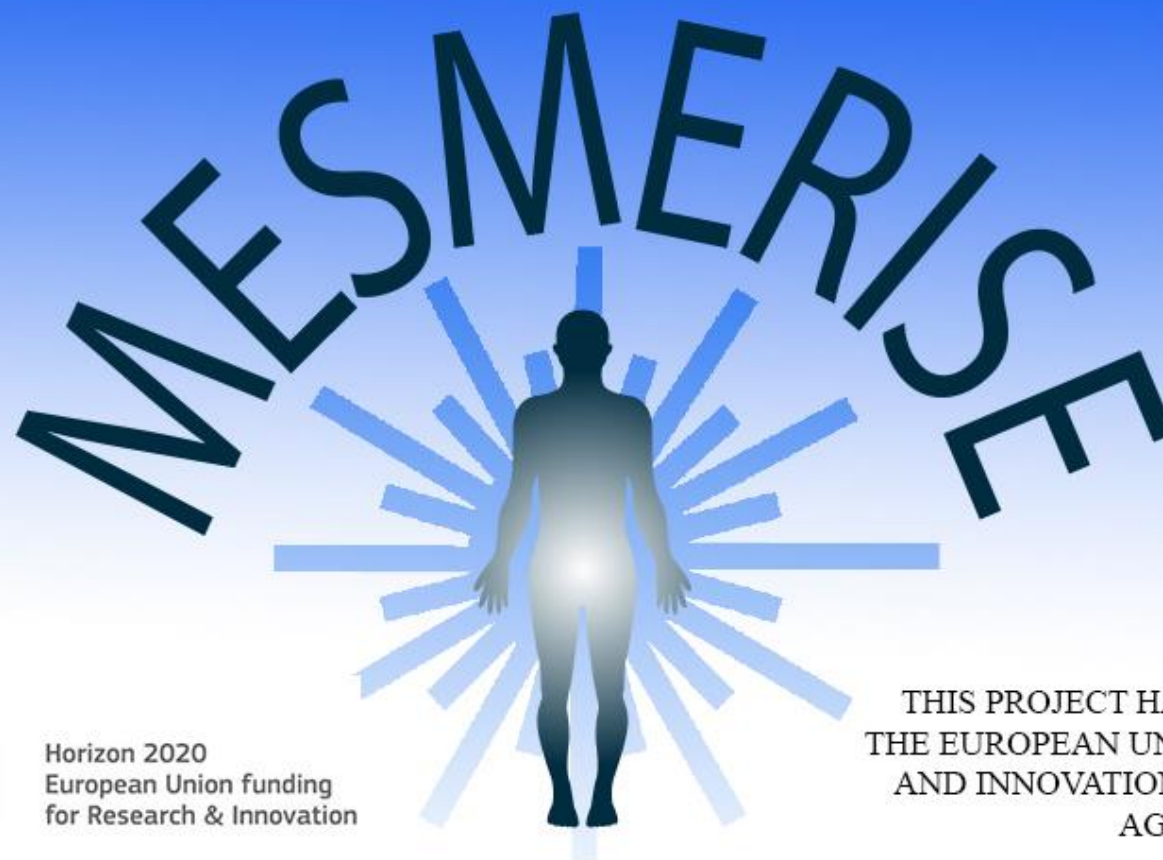


MEDICAL X-RAY EQUIPMENT

ANALYTICAL EQUIPMENT

NONDESTRUCTIVE TESTING

SECURITY SCREENING
AND INSPECTION SYSTEMS

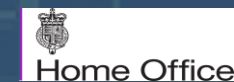


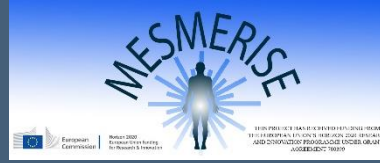
THIS PROJECT HAS RECEIVED FUNDING FROM
THE EUROPEAN UNION'S HORIZON 2020 RESEARCH
AND INNOVATION PROGRAMME UNDER GRANT
AGREEMENT 700399



European
Commission

Horizon 2020
European Union funding
for Research & Innovation





The main challenge of MESMERISE is to develop a **new scanning technology** improving the respect for intimacy and privacy rights as well as the efficiency and reliability.

MESMERISE proposes two complementary technologies:
***ultra-low dose Multispectral X-ray transmission and
Infrasonic interrogation.***

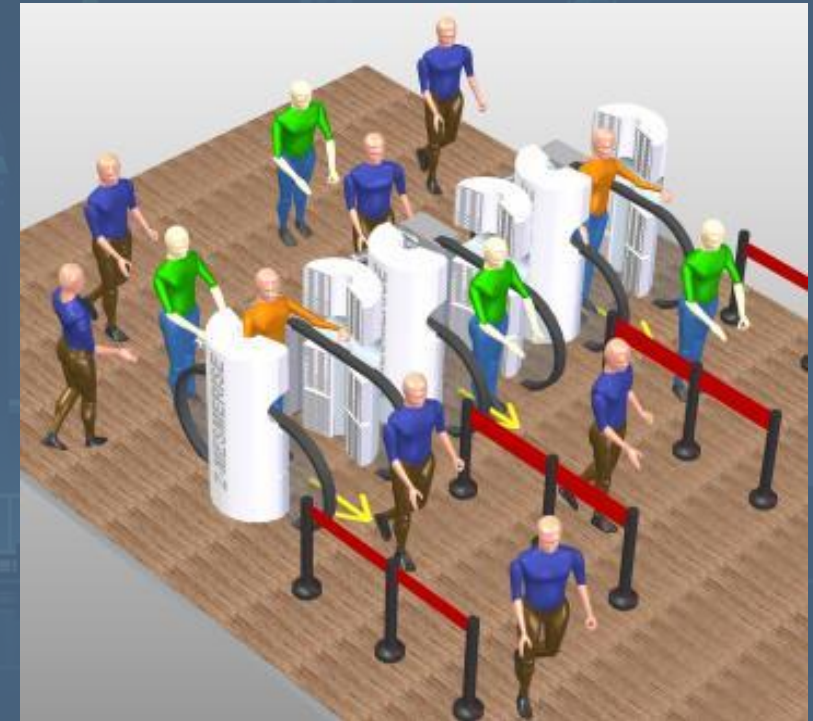
Internally concealed commodities

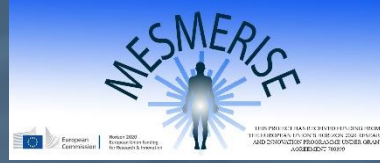
X+Z MESMERISE: Internal and external detection.



Externally concealed commodities

Z-MESMERISE: External detection.
Highly non-disruptive.





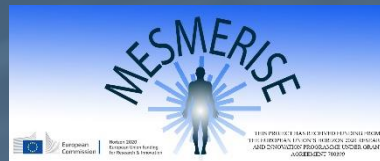
January 2015 – Beginning of proposal preparation

August 2015 - Final version of Proposal was uploaded to the Participant Portal.

January 2016 - proposal has reached the stage of Grant Agreement preparation.

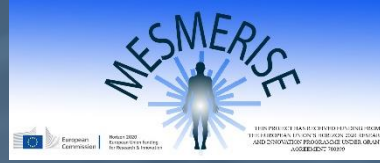
May 1st 2016 – start of the project MESMERISE.

April 2019 – planned finish of the project.



NB!

- 1) Finding the “RIGHT” partners
- 2) Company Validation at the Participant Portal
- 3) Approval of GA with local authorities
- 4) Shipment of goods across borders



Exploitation of Project results and IRP

- 1) **MESMERISE** currently is at the stage of RnD and Dissemination.
- 2) **IPR** – Results are owned by the beneficiary that generates them.
- 3) **Consortium Agreement.**
- 4) **Production** of the system and shipment across borders.

Any questions?

Alexandra Petkevich

petkevich@adani.by