CYPRUS DEFENCE INDUSTRY

THE CYPRUS ASSOCIATION OF RESEARCH AND INNOVATION ENTERPRISES (CARIE)



Dr. Harris Zacharatos, Member of the Bod CARIE





CYPRUS CHAMBER OF COMMERCE AN INDUSTRY

About CARIE

CYPRUS ASSOCIATION OF RESEARCH AND INNOVATION ENTERPRISES



Established in 2010 to promote the interests of Cypriot R&D technology companies (SMEs)



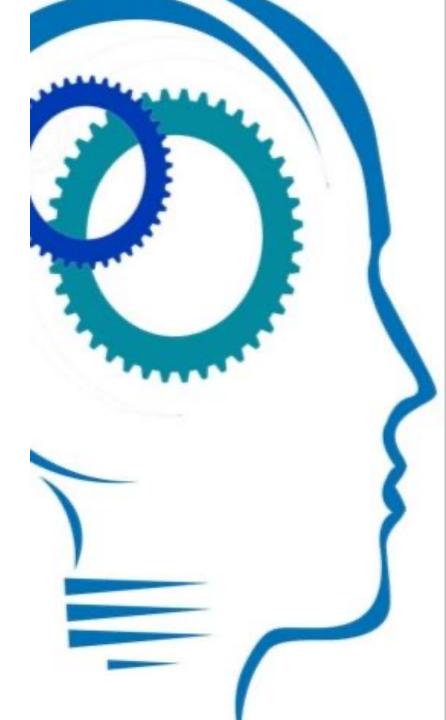
Forty five innovative technology companies



>50M€ wide range of technology infrastructures>1000 highly-skilled researchers and engineers



>1.5Billion€ for Cyprus Economy



About Defence Industry Cluster

OPERATING WITHIN CARIE AS A FOCUSED-INTEREST GROUP



Established in 2019 to promote Dual-Use/Defence capabilities within CARIE Members



Thirty innovative technology companies



R&D And Military Standard Production Infrastructure



25 Defence R&D contracts with a total budget of 312M ${\color{black} \in}$



National Defence Industry Association (NDIA) to EDA



Our Members

CYPRIOT SMES WITH R&D CAPABILITIES



Defence Capabilities

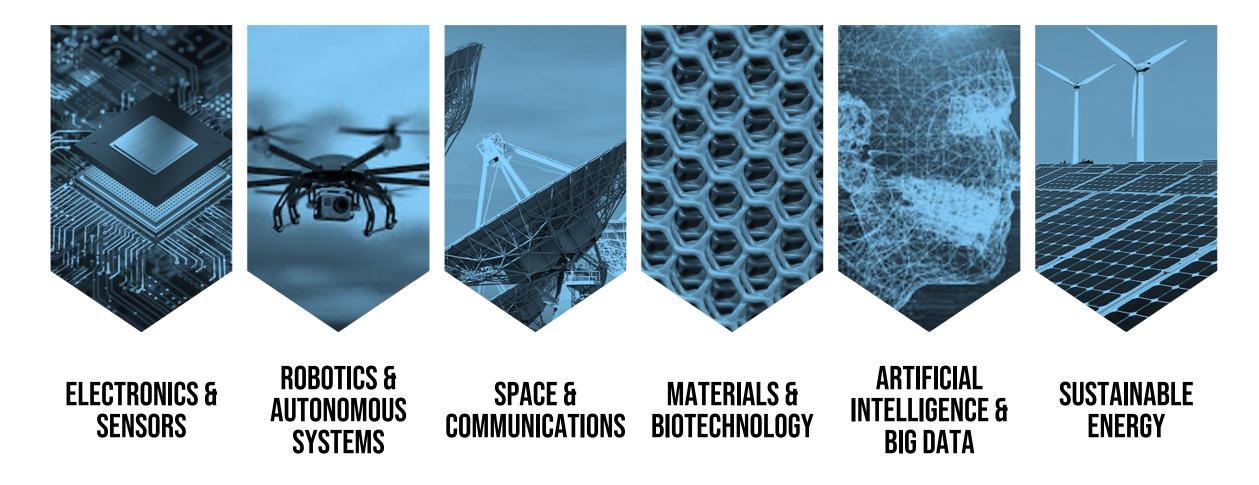
We Focus on Developing and Growing Local Defence Capabilities





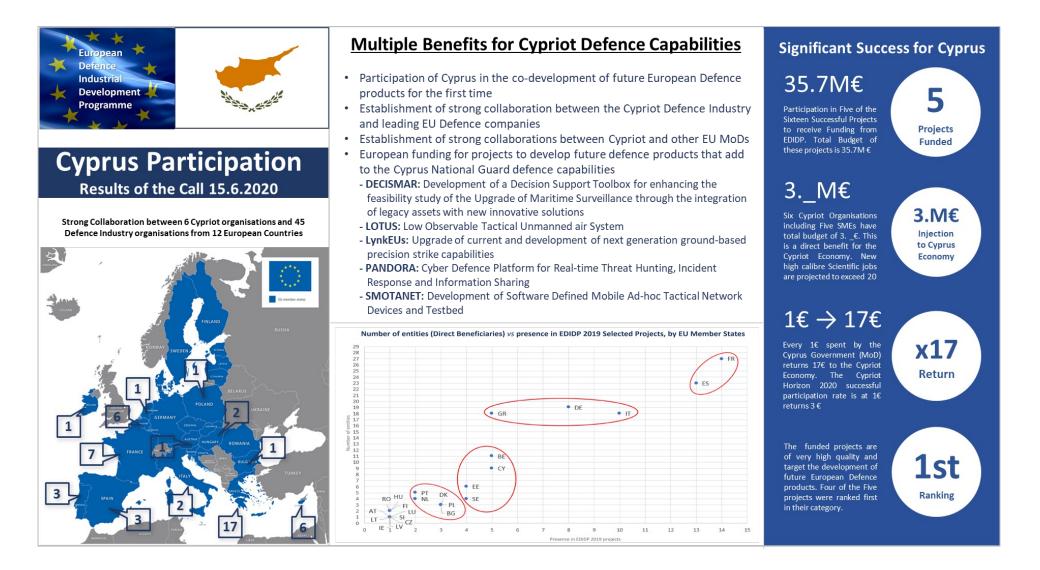
Defence Capabilities

WE FOCUS ON DEVELOPING AND GROWING LOCALLY EMERGING DEFENCE CAPABILITIES



European Defence Industrial Development Fund (EDIDP)

A Dynamic Entry of Cypriot Companies to the European Defence Industry in 2019

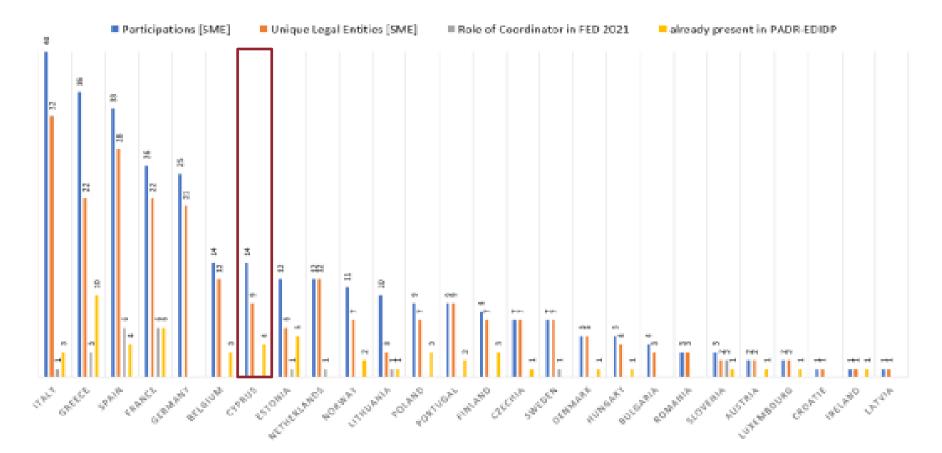


European Defence Fund (EDF)

Seven Projects, Nine SMEs for the development of European Defence Products



FOCUS on SME in EDF 2021 selected projects

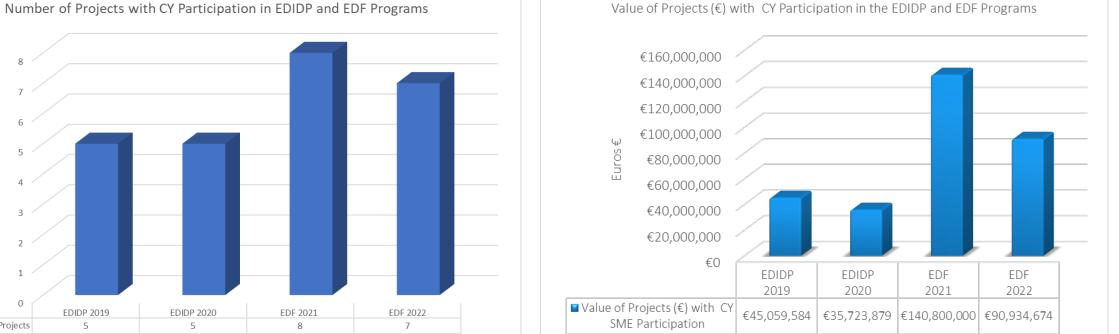


17 Defence R&D contracts with a total budget of 172.5M€

Fifteen EDF Projects, for the development of European Defence Products

EDF 2022 8 7

Total Value: 312 M Euros





European Defence Fund (EDF)

8

6

5

3

0

Number of Projects

EDIDP 2019

5

Total Number of Funded Projects: 25

A Strong Network of Partners & Collaborators

Participation in Contracts with major EU Defence manufacturers



International Defence Collaborations

Organisers /Co-organisers of Events for promoting the Cyprus Defence Industry



Partnerships and Collaborations

Reinforcing the collaboration between the Cypriot and the European Defence industries









The members of HASDIG and CARIE are already collaborating in 7 EDIDP/EDF contracts of total budget 77M€

The members of GICAN and CARIE are already collaborating in 9 EDIDP/EDF contracts of total budget 149.8M€





Συμμετοχή στην μεγαλύτερη Ευρωπαϊκή Έκθεση Άμυνας

Το Μεγαλύτερο Κυπριακό Περίπτερο μέχρι σήμερα 200μ²





"By far, the greatest danger of Artificial Intelligence is that people conclude too early that they understand it."

ELIZER YUDKOWSKY





AUTONOMOUS SYSTEMS







Benefits on Autonomous Systems and AI

Speed, Surprise, and Survivability

Increased accuracy and decreased collateral damage

Machine-like adherence to rules and law

Decreasing civilian harm

Removing humans from the battlefield

Decision Advantage

Empower the whole Force

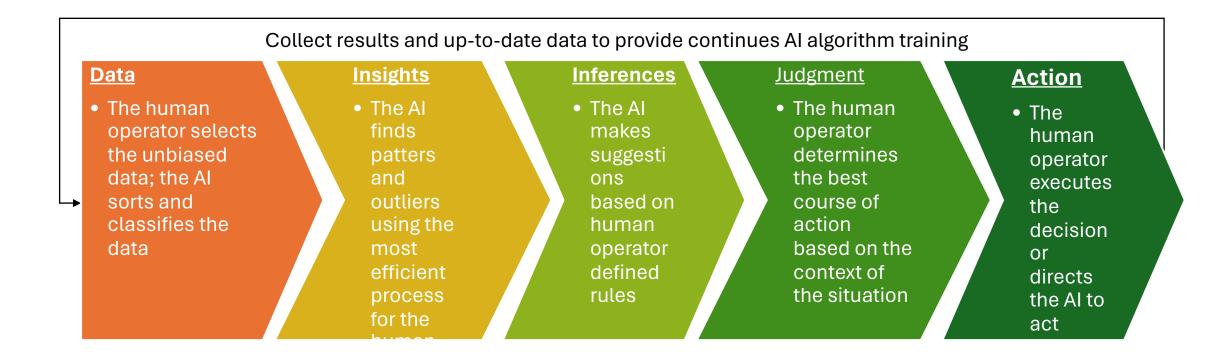


KNOW WHAT TO LOOK FOR

- Where does the training data Come from?
- WHAT KIND OF DATA ARE YOU TRAINING YOUR MODEL ON?
- WHO IS THE MODEL
 DEVELOPER/DATA SCIENTIST?
- Who else has access to the MODEL?
- Who has access to your pipeline?



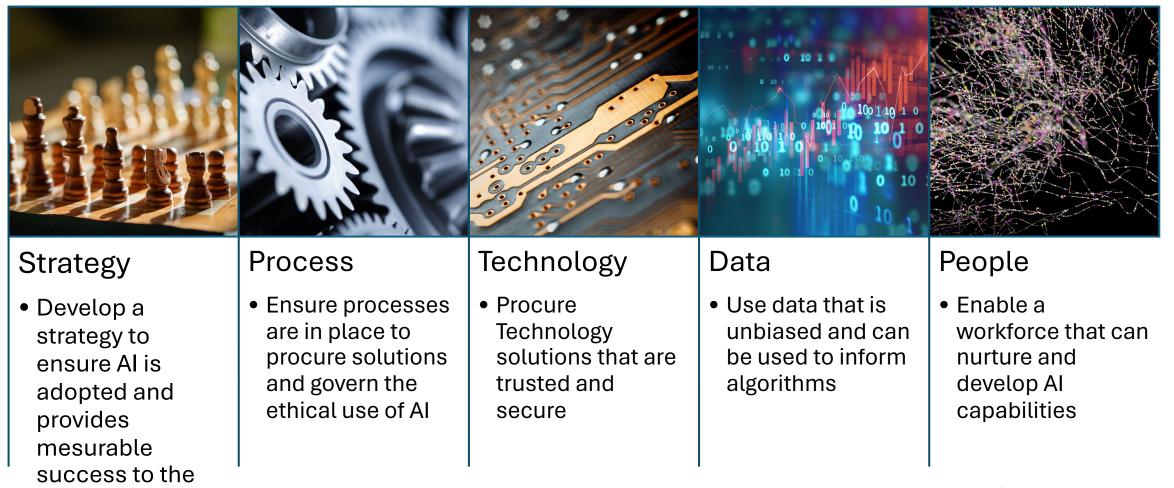
AI & Human - Ensuring humans are in the loop





Scaling AI to achieve long-term success in organizations

organization





Defence and AI Products by Cyprus companies

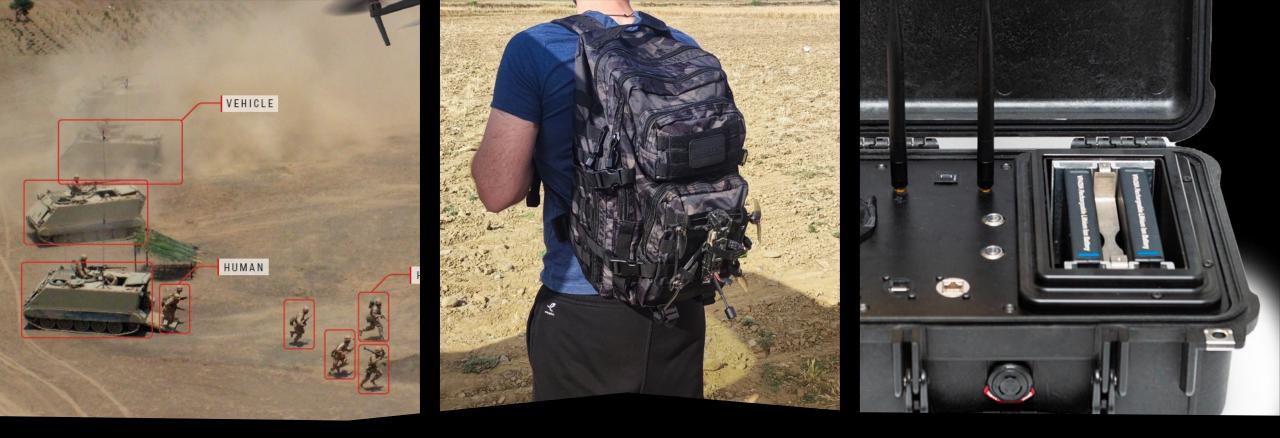
Cyprus Defence Industry Products

DESIGNED, DEVELOPED AND PRODUCED IN CYPRUS



Earth Observation intelligence platform





ZEUS - Portable Command and Control station and drones with edge AI capabilities for detection/identification and targeting



CARIE CYPRUS ASSOCIATION OF RESEARCH AND INNOVATION ENTERPRISES

THANK YOU !