IN A NUTSHELL

The overall vision of MANOLO is to deliver a complete and trustworthy stack of algorithms and tools to help AI systems reach better efficiency and seamless optimization in their operations, resources and data required to train, deploy and run high-quality and lighter AI models in both centralised and cloud-edge distributed environments.

PROJECT OBJECTIVES

- A next-generation Hardware-aware optimisation for trustworthy efficient AI
- Reduction of environmental footprint
- New business models for cloud-edge continuum AI software and hardware
- New guidelines for trustworthy efficient AI systems & edge autonomy
- Use of open-source and benchmarks for promoting excellence

PROJECT PARTNERS

CeADAR Ireland's Centre for AI	Ireland's Centre for Applied AI | University College Dublin www.ceadar.ie	Ireland
UNIVERSITAT POLITÈCNICA DE CATALUNYA BARCELONATECH	Uni. Politecnica de Catalunya www.upc.edu	Spain
Atos	ATOS IT Solutions and Services Iberia SL https://atos.net/es/spain	Spain
EVIDEN	Eviden Technologies SRL https://eviden.com/	Romania
Technische Universität Braunschweig	Technishe Uni. Braunschweig https://www.tu-braunschweig.de/en/	Germany
DEMOKRITOS	National Center for Scientific Research "DEMOKRITOS" https://www.iit.demokritos.gr/	Greece
FOUR DOT INFINITY	Four Dot Infinity https://fourdotinfinity.com/	Greece
Fraunhofer IIS	Fraunhofer Institute for Integrated Circuits IIS https://www.iis.fraunhofer.de/en.html	Germany
Inria	National Institute for Research in Digital Science and Technology https://www.inria.fr/en	France
université PARIS-SACLAY	UPSaclay Uni. Paris-Saclay https://www.universite-paris-saclay.fr/en	France
ARCADA	Arcada Uni. of Applied Sciences https://www.arcada.fi/en	Finland
KU LEUVEN	Katholieke Uni. Leuven https://www.law.kuleuven.be/citip	Belgium
LAUREA	Laurea-Ammattikorkeakoulu OY https://www.laurea.fi/en/	Finland
PAL	Pal Robotics PL https://pal-robotics.com/	Spain
Bitbrain	BIT & BRAIN Technologies SL https://www.bitbrain.com/	Spain
arx.net	ARX. NET S.A. https://arx.net	Greece
Q-PLAN INTERNATIONAL	Q-PLAN International Advisors PC https://qplan-intl.gr/	Greece
eit Digital	EIT DIGITAL https://www.eitdigital.eu/	Belgium

Funded by the European Union under GA no. 101135782. Views and opinions expressed are however those of the authors only and do not necessarily reflect those of the European Union or CNECT. Neither the European Union nor the granting authority can be held responsible for them.

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MANOLO

CLOUD-EDGE EFFICIENT & TRUSTWORTHY AI

Part of:

adra
The AI Data Robotics Association

IMPACT

- **Scientific:** Breakthrough progress for trustworthy efficient AI systems.
- **Economic/Technological:** Decreased device costs, increased trustworthiness, and edge autonomy pave the way for new business models.
- **Societal:** New guidelines for the implementation and operation of trustworthy efficient AI systems.
- **Societal:** Catalyst in Nurturing and Harnessing EU talent
- **Environmental:** Reduction of AI systems environmental footprint.

Project Identity

Project title:
Trustworthy Efficient AI
for Cloud-Edge Computing

Grant Agreement No: 101135782
Start: 1 January 2024
Duration: 36 months
Budget: € 8.605.772,50

Find Out More

https://manolo-project.eu
Contact us: info@manoloproject.eu

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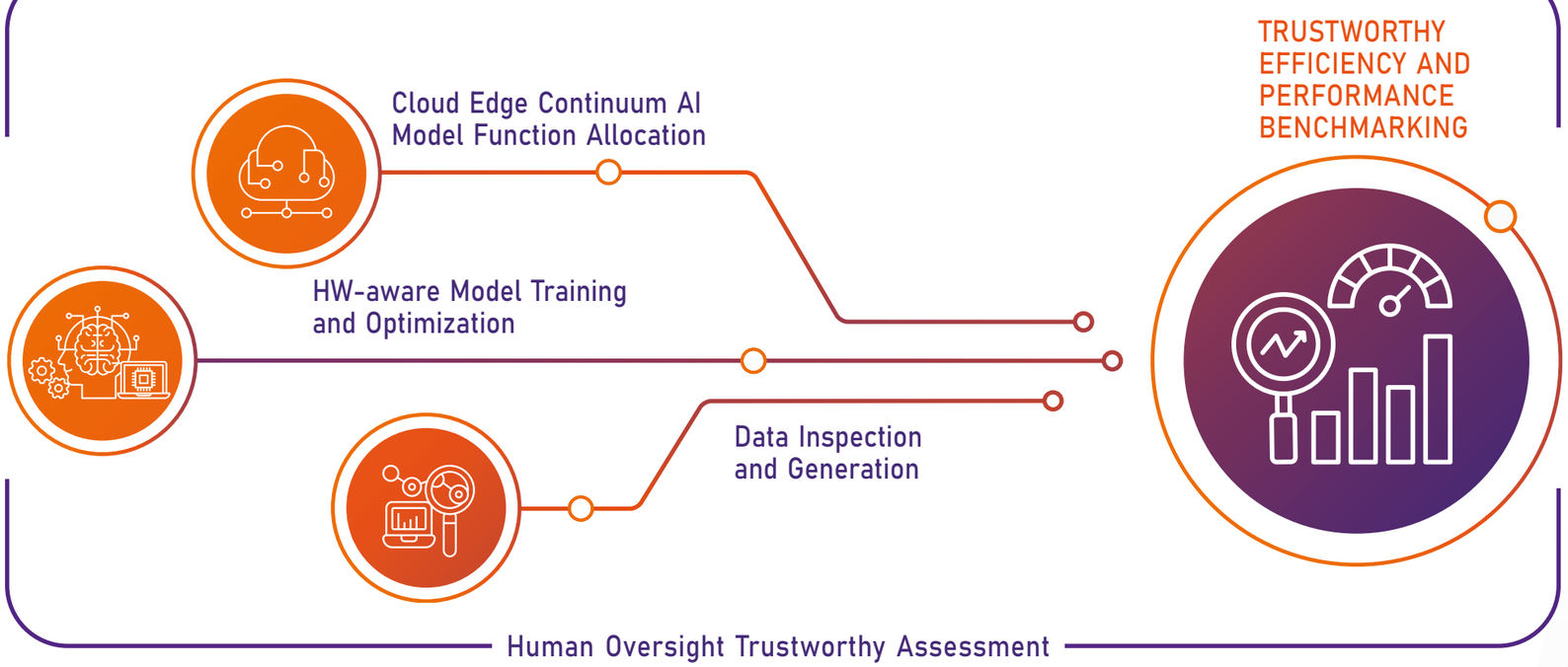
MANOLO

THE MANOLO CONCEPT



INDUSTRIAL USE CASES