

OPENHYBRID

www.openhybrid.eu

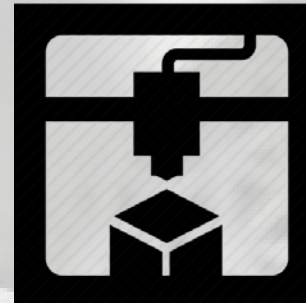


BACKGROUND OF THE PROPOSAL

DIRECT ENERGY DEPOSITION (DED)



Parts are created by melting material as it is deposited



Predominantly used with metal powders or wire

Technology

A laser creates a molten pool on the build area and powder is sprayed into the pool, melting and then solidifying. This process called Direct energy deposition (DED) utilises a deposition head consisting of laser optics, powder nozzles and inert gas shielding to melt powder as it is deposited building up upon an existing part.

OPENHYBRID CALL



H2020-IND-CE-2016-17
FoF-01-2016 call



5 133 381.25 €



Manufacturing and
fabrication technology



1st October 2016



36 months



Novel hybrid approaches for
additive and subtractive
manufacturing machines

CONSORTIUM



CONCEPT

A small icon of a robot head integrated into the letter "O" of the text "ONE FOR ALL".

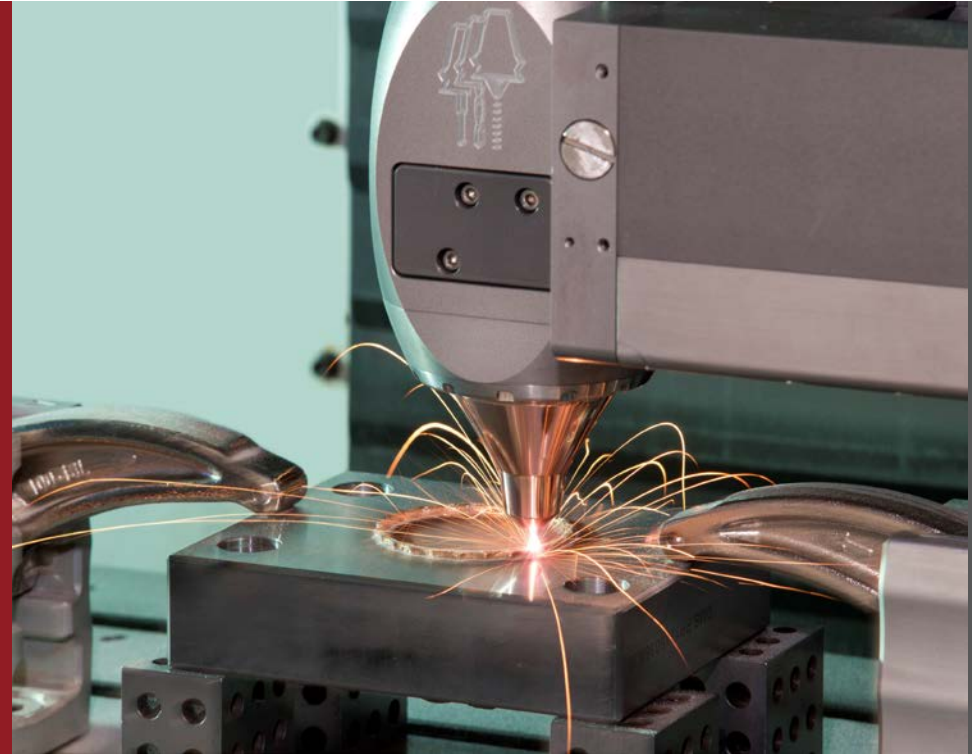
ONE FOR ALL

Hybrid Additive Manufacturing (AM) solution for a wide range of machine platforms and applications for small and large companies

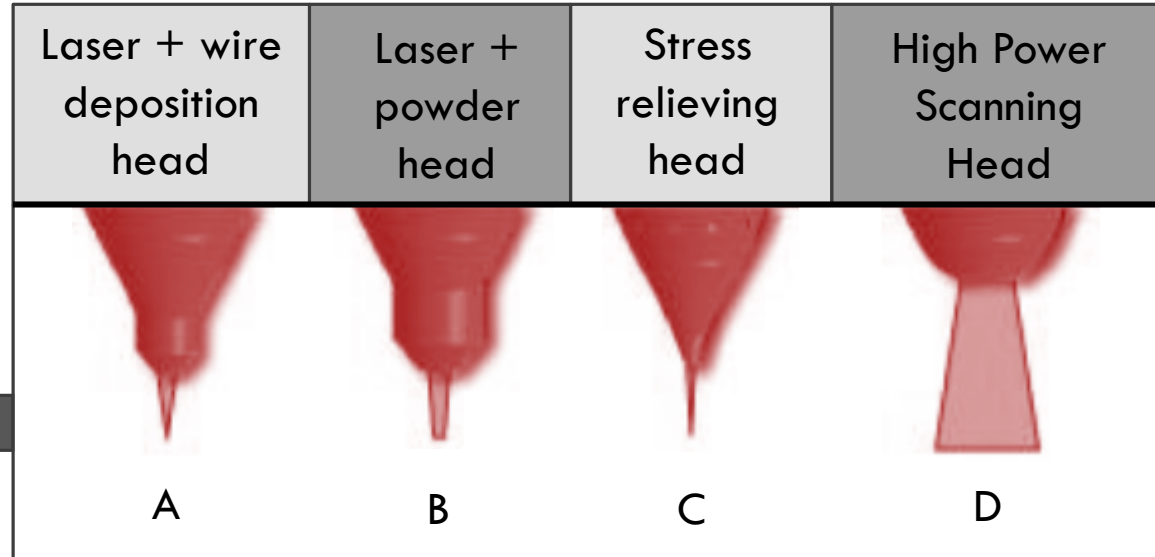
A small icon of a robot head integrated into the letter "O" of the text "ALL FOR ONE".

ALL FOR ONE

Several processes in a single machine enabling parts to be made in an unbroken process



CONCEPT



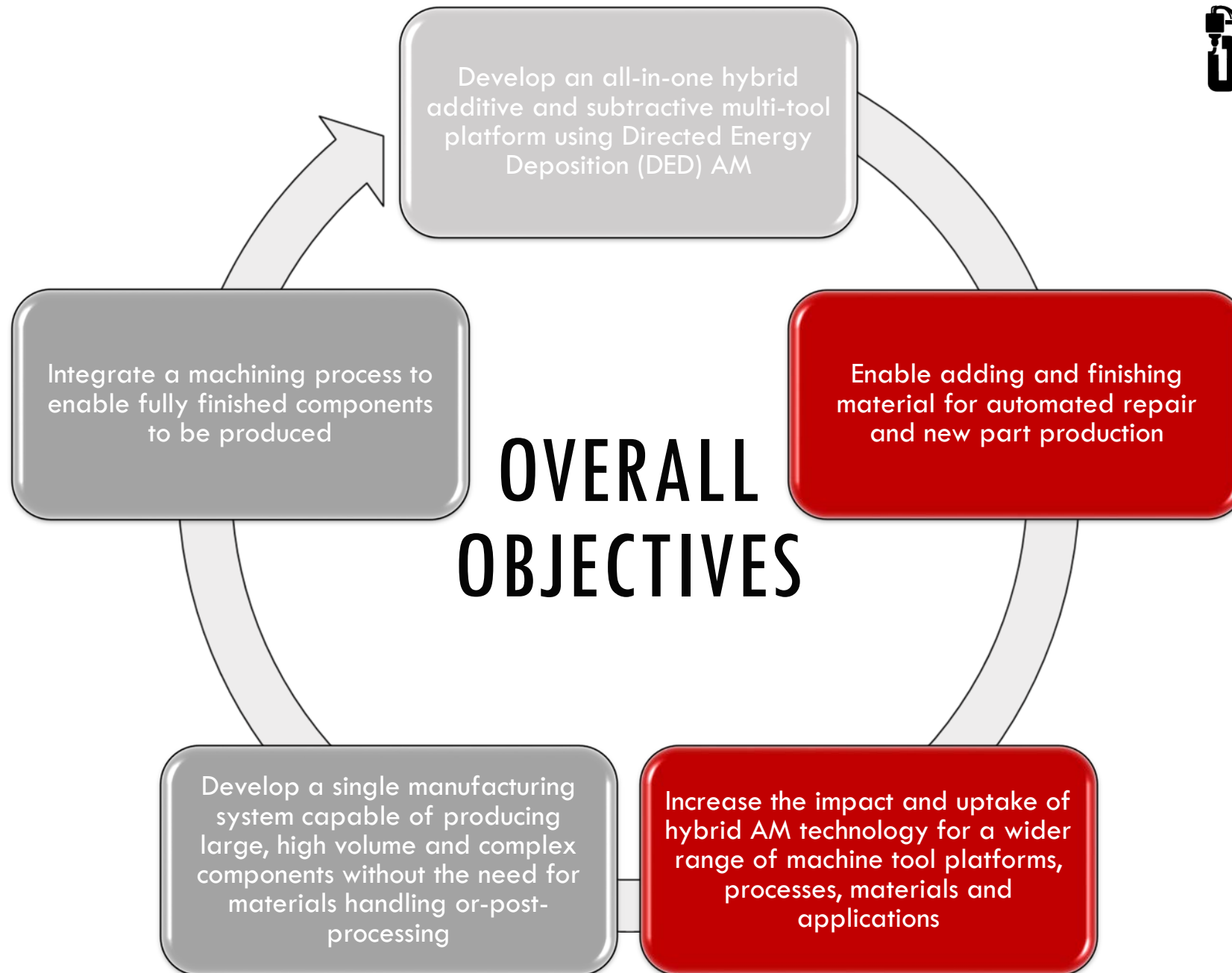
Conventional Machine Tool Platform



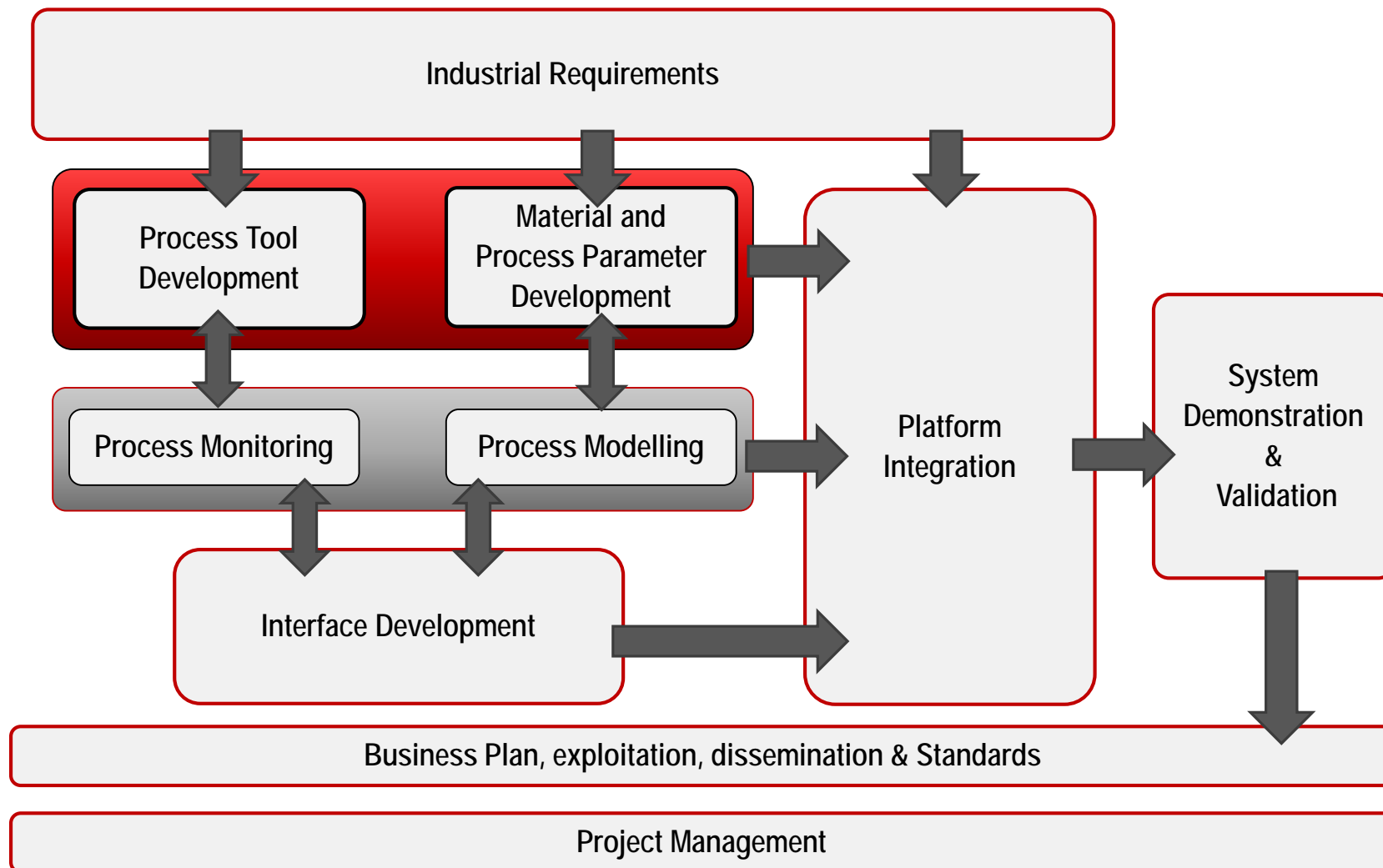
Travelling Column



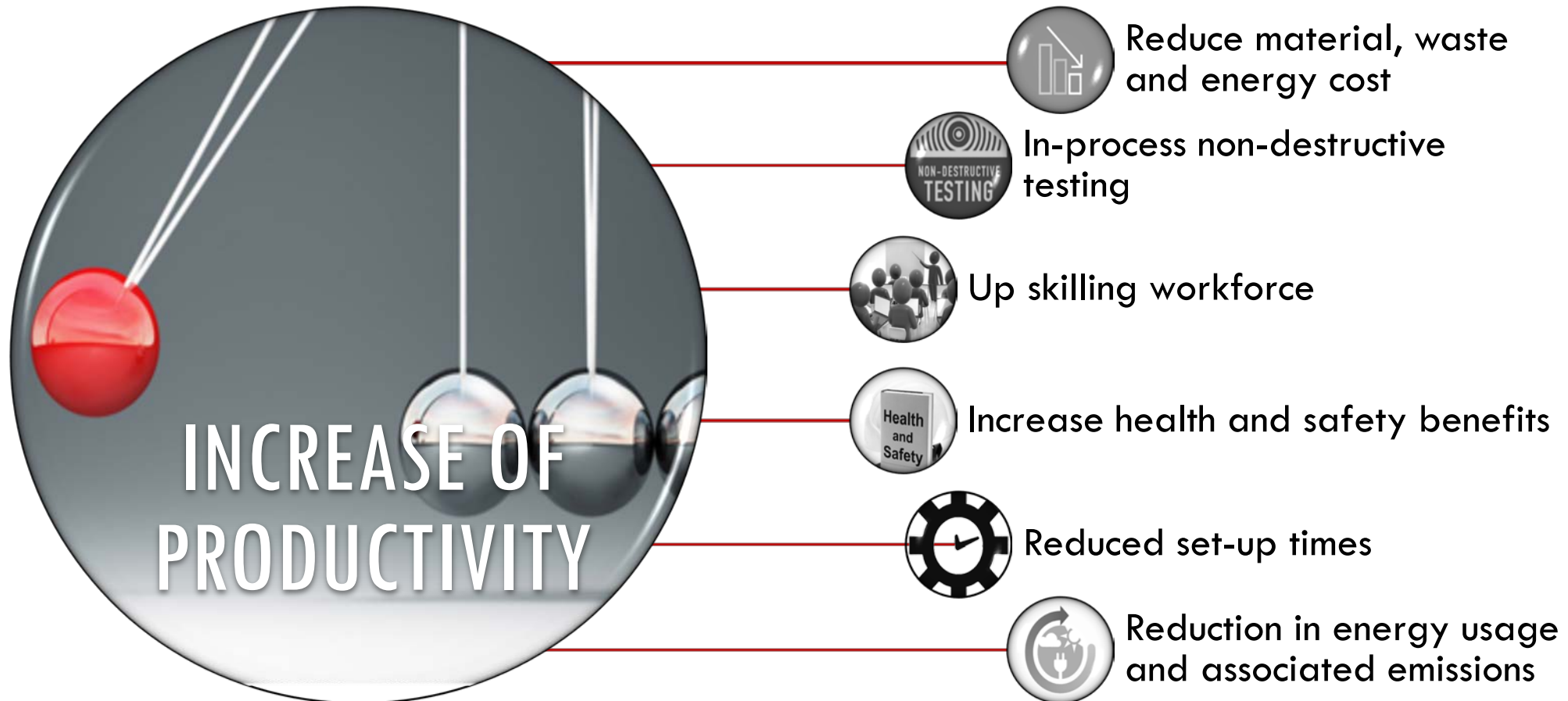
Gantry System



OVERALL WORK PACKAGES



PROJECT IMPACT



תודה
Dankie Gracias
Спасибо شكراً
Merci Takk
Köszönjük Terima kasih
Grazie Dziękujemy Děkojame
Ďakujeme Vielen Dank Paldies
Kiitos Täname teid 谢谢
Thank You Tak
感謝您 Obrigado Teşekkür Ederiz
Σας ευχαριστούμε 감사합니다
Bedankt Дěkujeme vám
ありがとうございます
Tack

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