

PROBLEM/ISSUE ADDRESSED

- Create the highest deposition rate WAAM kit on the market
- Provide a versatile and adaptable WAAM production tool that could be used to upgrade existing systems with the LAMM's capability

SOLUTION

- ✓ Development of twin-wire end effectors for both Ti64 and steel
- ✓ Test new arc-based processes and variants
- ✓ Development of software tools to optimize path planning and process control
- ✓ Creation of life cycle assessment tools to reflect the novelty of the approach

WHY IT IS IMPORTANT FOR SOCIETY

- ✓ Make WAAM attractive for manufacturing fields that are currently not financially attractive
- ✓ Reduce the cost of WAAM produced products
- ✓ Lower the entry barrier towards AM for SMEs
- ✓ Educate engineers and SMEs on WAAM technology benefits and capabilities

MAIN RESULTS & INSIGHTS



- ✓ **Increased deposition rates by more than 100%**



- ✓ **Lower CO2 emissions**



- ✓ **Reduced cost of WAAM produced parts by as much as 50%**



- ✓ **Educate engineers and SMEs on WAAM technology**



“*Thanks to EITM we were able to fund industrialisation activities of strategic importance – creating value and increasing competitive advantage ,,*



DR. FILOMENO MARTINA
CEO & Co-founder
WAAM3D

FOR MORE INFORMATION:



<https://www.waam3d.com/project/lamm>



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