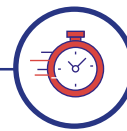


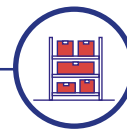
WIRE ARC ADDITIVE MANUFACTURING



ON
DEMAND



SHORT
LEAD TIMES



CLOUD BASED
INVENTORY

LEADING
INNOVATION,
DELIVERING
FLEXIBILITY & QUALITY

- METAL DEPOSITION SYSTEM
- SIGNIFICANT COST EFFICIENT
- DIGITAL INTEGRATION

WIRE ARC ADDITIVE MANUFACTURING (WAAM)

A GAME CHANGING TECHNOLOGY

For large metallic components, **WAAM** is the most promising and fastest 3D printing technology. With it we can design, print and fully qualify metal parts to the highest standards of quality. It offers you greater efficiency and shorter lead times, allowing you to revolutionize how you manage your assets.

How does the 3D printing work?

WAAM uses an electric arc controlled by a robotic arm to melt metal wire directly onto the surface of the base, layer by layer.

How does it impact supply chain?

WAAM does more than create a physical product, it offers the ability to create a digital warehouse so you can cut down physical storage costs and improve your supply chain efficiency by obtaining parts on demand.

How flexible is the process?

WAAM offers the opportunity to shape the part you need in a variety of materials. It provides total freedom to create new designs and new functionalities.



A ONE-OF-A-KIND-LINE

— Designed with state-of-the-art technologies (part printing and ultrasonic inspection) capable of manufacture with short lead times.

INTEGRATED

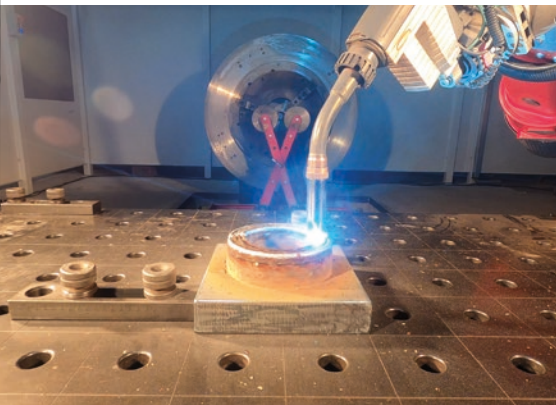
— With existing traditional operations to address market requirements.

PRINTING AREA OF 2M³

— L=1m x l=1m x H=2m.

A NEW TECHNOLOGY GAINING GROUND

- Carbon steel components are qualified with a pressure test up to 22,500 psi
- Quality plans are available with reference to standards and norms
- New corrosion resistant alloys under qualification in R&D to be available soon



WE SUPPORT YOUR MOVE TOWARDS DIGITAL WAREHOUSING

— WAAM radically changes the concept of warehouse logistics. Major O&G companies are increasingly turning to AM to improve the agility of their supply chain, to reduce their physical stock and establish a distributed network of manufactured parts by storing additive manufacturing digital files to be printed upon demand.

YOUR CHALLENGES?

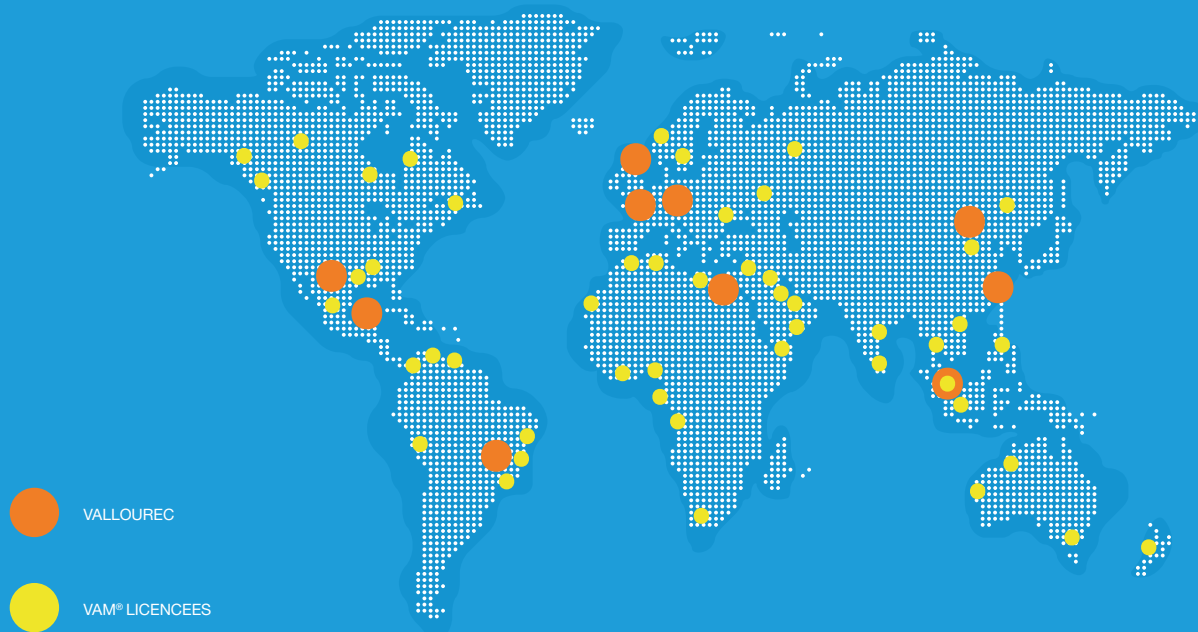
- Reduce the lead time for obtaining parts
- Reduce delays in stock supply and non-productive time
- Radically reduce the size of inventory
- Mitigate the risk of obsolescence
- Eliminate need for transport logistics by sourcing closer to the point of use

THE BENEFITS OF WAAM

Short lead times revolutionize how you manage your assets

- On-demand production
- Shorter lead times
- Digital warehousing
- Weight reduction
- Parts readily available closer to the point of use

BECAUSE TIME
MATTERS, WITH WAAM
WE DELIVER YOUR PARTS
ANYTIME, ANYWHERE



NEED MORE INFORMATION?

Information is available online on
solutions.vallorec.com or by
scanning the following QR code.



solutions.vallorec.com



contact@vallorec.com
Headquarters

12, rue de la Verrerie
92190 Meudon - FRANCE
Phone: +33 1 49 09 35 00

www.vallorec.com