Company Pre-Teaser
October 2026

JOLT

Reshaping materials science at the base layer of production

JOLT is a global platform for advanced coatings & catalysts

Our technology has a pathway into €20bn+ of annual markets.

- Founded at Institut Català d'Investigació Química (ICIQ), JOLT is the culmination of decades of proprietary research and development for industrial high-performance coatings and catalysts.
- Our patented chemistry and coating methodologies can be applied across a broad range of substrates – including titanium, nickel, steel, carbon, glass, plastics, & silicon – creating a pathway into multiple industrial markets.
- Our immediate target is the €3bn electrolysis electrode market that spans verticals including chlor-alkali, water treatment, disinfection, electroplating, electronics, metals refining, and anti-corrosion applications.
- Expansion opportunities like Energy Storage and Optical/Photoelectronics are accessible with the same coating platform.

2027 shows the clear roadmap for multi-market leadership.

JOLT's first customer, the No. 1 OEM in its field, has already paid in advance to secure "front of queue" access to our technology.

- Immediate Buyer Savings: our drop-in electrodes require zero changes to an OEM or plant's existing setup and immediately cut costs on three fronts:
  (1) Precious metals, normally >85% of COGS, can be reduced by up to 40%;
  (2) Energy, up to 70-80% of a system's opex, can be reduced by up to 20%;
  (3) Durability, or electrode lifetime, increases how long a system can operate
- Rapid, Capital-Efficient Scale-Up: our proprietary manufacturing process uses low-cost, commercially available (COTS) equipment, enabling coating lines to be assembled in under three months, with <1-year payback.
- Continuous, Compounding R&D: the application of machine learning and reinforcement learnings to JOLT's proprietary datasets accelerates the improvement of existing products and the development of new ones.

JOLT is raising between €5-10M to accelerate growth, expand production capacity, and lock-in JOLT's platform across new high-value markets.

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