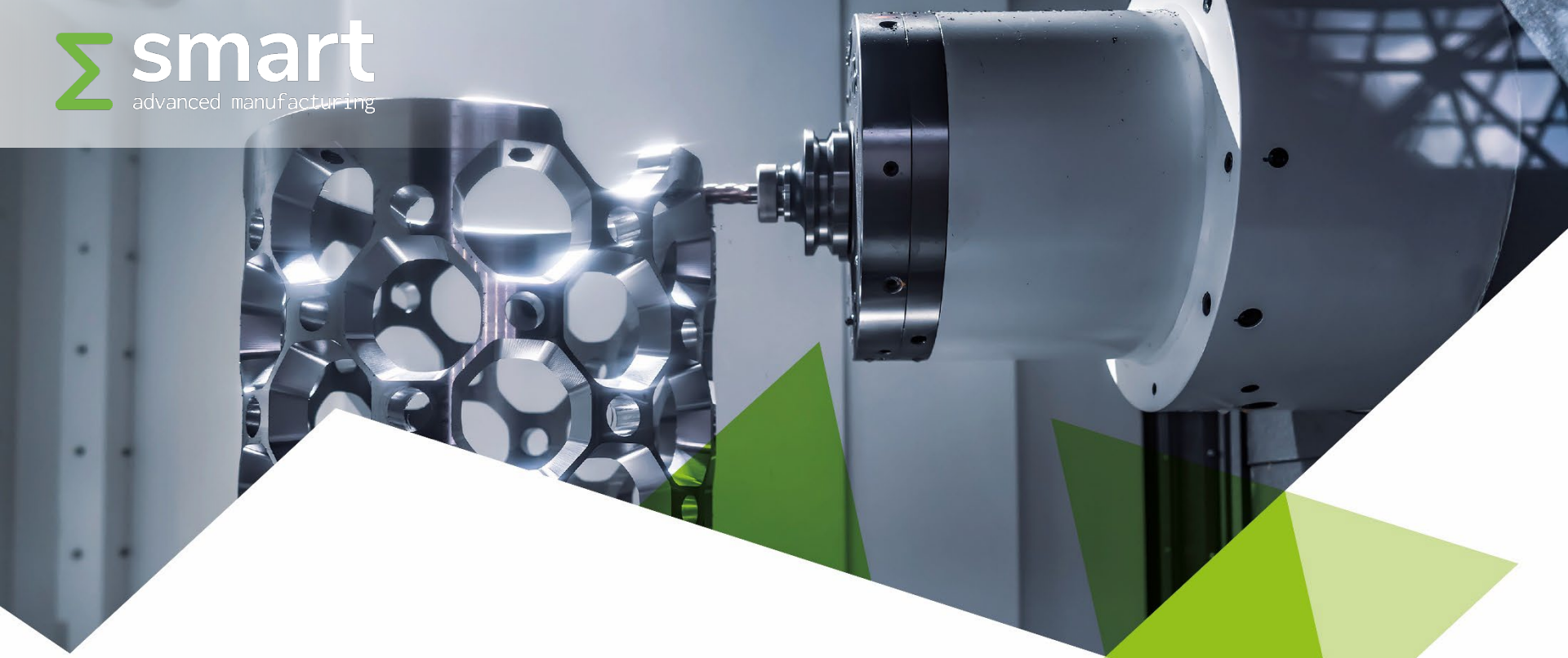

Novel Sustainable Stevia Extraction

A Breakthrough in Stevia Extract Manufacturing


smart
advanced manufacturing

ORGANISATION PROFILE

Insert brief description of the leading organisation: Name, Personnel, Size, Products/Services/Technical areas and R&D project expertise.

Established in 2020, Origin Oils is a social entrepreneurship venture dedicated to sustainable agri-tech. We empower farmers in emerging markets, enabling their active participation in essential oil supply chains. By offering transparency, traceability, quality control, and ethical sourcing, we enhance the value of farmers' products for our customers. Our commitment extends to manufacturing, incorporating current technologies for efficiency and investing in R&D to develop innovative and sustainable technologies, creating a brighter, more sustainable future.

Personnel: 10 Nos
Team: Samr Calcutawala & Anand Iyer
Size: £ 200,000
Products : Natural Essential Oils and Extracts
R&D: Developing sustainable manufacturing processes for natural products.

Part of:
Better Futures+
Natwest Sustainability Accelerator

PROPOSAL INTRODUCTION (I)

Vision: main project goal
The breakthrough in Stevia extract manufacturing involves a sustainable approach that minimizes the environmental impact and enhances the product's overall quality.

Motivation: why the project is necessary
The global shift towards healthier and more sustainable food choices has fueled the demand for natural sugar substitutes. Stevia extract, derived from the leaves of the Stevia rebaudiana plant, has gained popularity as a natural alternative to traditional sugar. However, traditional stevia extraction processes have been associated with certain sustainability challenges. The aim of the project is to explore the novel and sustainable advancements in the manufacturing process of Stevia extract, addressing these challenges.

Content: which are the developments to be made in the project
Green Solvent Extraction, Low-Water Consumption, Energy Efficiency, Waste reduction, Carbon Footprint Calculations

PROPOSAL INTRODUCTION (II)

Expected outcome: descriptions of the results to be obtained in the project

Develop a advance manufacturing process to manufacture Stevia Extracts Sustainably that minimizes the environmental impact and enhances the product's overall quality.

Impacts: what will be the expected market impact of the project

Global market for Stevia extract currently is 771.5 million U.S. dollars growing at a CAGR of >10%. With strong impact right from cultivation to manufacturing of Stevia Extracts.

Schedule: start and end dates for the project. Duration.

January 2024 – June 2026 – 2 years

PARTNERS

Current Consortium: list of partners already involved in the project
Farmers growing Stevia

Partner search: type of partner searched and countries of origin (if necessary).
Academia
Engineering companies
Research centres
National Funding agencies

CONTACT INFO

Contact info: of the person coordinating the project proposal

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Anand Iyer
+44

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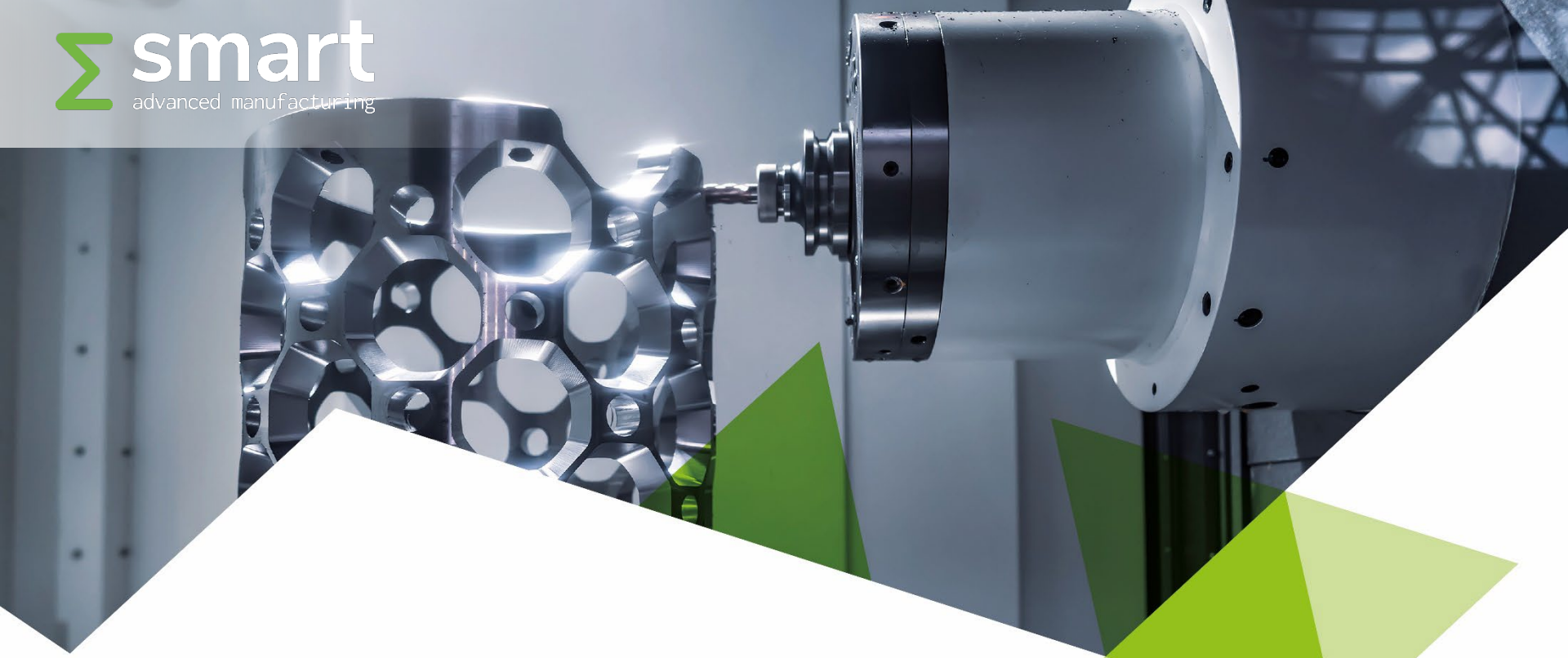

www.origin-oils.co.uk