

COMPANY AND PROJECT PROFILE

Industrial technology. Local partnerships.

TREON connects MeSentia's MEON technology with country partners for the planned production of circular composite pallets.

The business model

TREON develops country, franchise and licensing partnerships and coordinates commercial implementation. The local industrial partner finances machines and the site, organises feedstock, operations and sales. MeSentia is responsible for technology, technical standards and release.

MeSentia

Company and technology / IP owner.

MEON

Physical production technology.

Circular pallet

First physical application: reusable composite pallet.

CIRPAL

Digital lifecycle platform in development.

What TREON contributes

Partner qualification, commercial rights structuring, country development and coordination of technology partners, production and customer trials. Scope and rights require contractual agreement.

Project status · 21 October 2026

Physical prototypes are available. MeSentia reports TRL 6 as of September 2026. Load performance, service life, repeatability and industrial economics remain subject to validation.

From prototype to production

01 · MEON X / Switzerland

Prepare the reference and validation system; document material, process, quality and full-scale pallet performance trials.

02 · Release and funding

Secure technical release, definitive technology and country rights, site financing and customer requirements.

03 · MEON Alpha / Thailand

Planned manufacturing by OMD and installation at Royce Universal after successful validation, under MeSentia's technical supervision.

Planning basis per machine

Approximately 200,000 pallets per year as a planning basis requiring technical validation. Indicative machine investment: USD 750,000-1,000,000; budget the site, infrastructure and working capital separately.

CIRPAL · Digital lifecycle records

Planned functions include product identity, material and batch records, handovers, return, inspection and reuse. Identification methods and interfaces require pilot definition; no operating software service is claimed.

Materials and process heat

Bagasse fibres are intended for the pallet compound. Generation Carbon leads planned integration of suitable residual biomass, process heat and biochar. Plastics are excluded from carbonisation; carbon balance and biochar quality require assessment.

Assess a country project together

Share your target country, company, potential feedstock, site, financing capacity and preferred timeline. TREON will assess the technical and commercial prerequisites with you.

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Project and planning information. Implementation requires technical approvals, funding and definitive contracts. No EPAL certification or independently verified carbon impact is claimed. Company status: new incorporation in Singapore in preparation.