

MDF-Turpentine:

The world's first ecological circular concept goes into operation

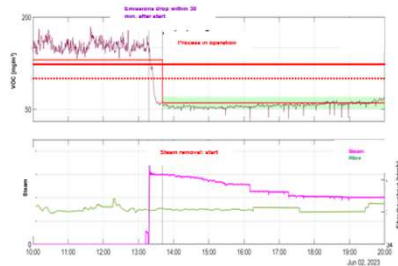
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MDF-Turpentine Technology

- Removes terpenes from the MDF process
- Enables MDF plant to reduce emissions to well under 60 mg/m³ (<50% BAT AEL)
- Terpenes (Turpentine) are condensed and sold
- Generates additional profit of € 3 to 6/ m³ MDF
- Amortisation time: 2-3 years

VOC Compliance since 2023: < 50% of BAT AEL limits

- Reliable attainment of emission limits
- Proven in industrial operation
- Falling below 50% of legal BAT AEL limit



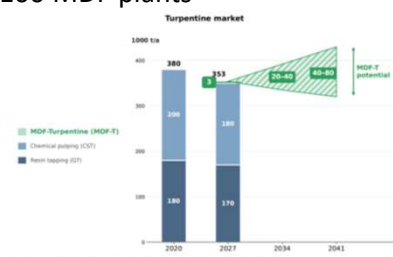
Turpentine qualified in large-scale industrial trials

- Successful trials in industrial scale (10 tonnes)
- Terpene composition depends on pine species
- Independent of pine species and wood mix



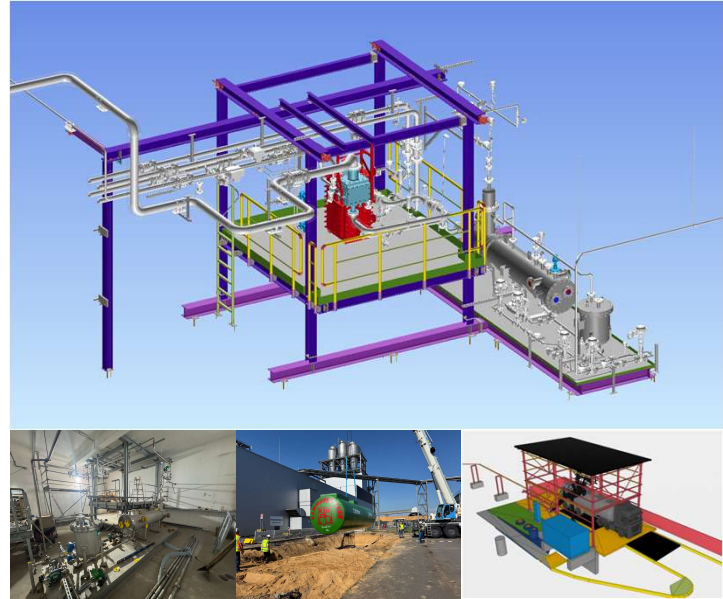
MDF-Turpentine Market

- Raw material for Sustainable Aviation Fuels (SAF), Flavour- and Fragrance Industry, Campher, Menthol, Polymers
- Sources pulp mills (CST) and tree tapping (GT) declining
- MDF-T fills the critical supply crisis of the industry
- Demand forecast over 40-80 000 tons/year
- Equal to 50-100 MDF plants



Startup in November

- Simple plant
- Low investment
- No explosion-protection zones (Ex-zones)
- Footprint 6m * 6m
- Applicable to any MDF plant worldwide



„Zero“ Carbon footprint

- Process is almost energy neutral
- Product carbon footprint is essentially zero
- Turpentine buyers are highly interested in buying MDF-Turpentine to reduce their scope 3.1 footprint

EU commission regards MDF-T as key technology for IED goals & BAT candidate

- INCITE – Innovation Centre EU Commission
- Responsible for industrial transformation, emission reduction, decarbonization, circular economy and goals of industrial emissions directive (IED)
- INCITE regards MDF-T as key technology
- INCITE recommends to include MDF-T as BAT candidate in the next Sevilla Process
- Listing since Summer 2026



New Standard for the MDF Industry worldwide

- MDF-T pays environmental bill and generates profit
- First license contracts ready to be signed
- MDF-T process has become a new standard
- Licensing in accordance with FRAND (Fair, Reasonable And Non Discriminatory) is available

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