Jet Fuel from bio waste
Business case – reach 2030 CO₂ target of Swiss Air Force by 2023

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Experienced Team of Experts

More than 150 years of combined experience
Reference Projects

More than 120 Chemical Plants
The team has developed a novel, more efficient SAF process to generate aviation fuel out of common biological waste products – TRL 9. Circular Industries collaborates with RUAG concerning the further development and the commercial roll-out of this technology to reach the Swiss Airforce 2030 climate goals by 2023.
Why we will succeed

**USPs**

1. **Highly Efficient SAF Process**
   SAF derived from fatty acid-waste materials at 85% yield

2. **More economic**
   20 – 40% green hydrogen savings compared to other processes

3. **Value Addition**
   By Product: 10% Pharma Grade Glycerin as high value by product

4. **Shelter Solution or Industrial Plant**
   Both solutions implementable today in Switzerland (TRL 9)
Industrial-Scale Plant
Plant solution to reach Swiss Airforce 2030 emission target by 2023

Shelter Solutions
Decentralized, small but efficient production units suitable for shelters

Decentralised Unit for Shelters
60,000 Tons SAF per year by 2023
• 1/3 of capacity allows Swiss Airforce to fully reach its 2030 climate goals
• Remaining 2/3 to cover demand from civil aviation industry

Circular Biofacturing Hub
Bad Zurzach
Circular Biofacturing Hub – Synergetic Production

- 60'000 MTPY Sustainable Aviation Fuel
- 20'000 MTPY Bio IPA / Bio Acetone
- >300 MTPY Green Hydrogen
- 20'000 MTPY Bio Monomers and other bio-substances
- R&D Hub

Local Production
- Restore Sovereignty, Create Jobs
- Modern, Multipurpose Plant
- Railway Access & Energetically optimized
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