

FUTURE SPACE TRANSPORTATION FLPP SPRING SESSION 2026



GREEN SPACE LOGISTICS (2023) AND REACT (2025) PROJECTS

COMPANY INFORMATION

Company: EcoDeltaV Sàrl

Location: Switzerland

Founded: 2025

Employees: 3

Mission: EcoDeltaV brings lifecycle insights into your space mission design. The company has developed the Assessment and Comparison Tool (ACT), a space-specific eco-design and LCA tool, that it aims to make available to the space industry through licences. Moreover, EcoDeltaV focuses on providing state-of-the-art LCA consultancy for space systems and launch emissions.

ECODELTA^V

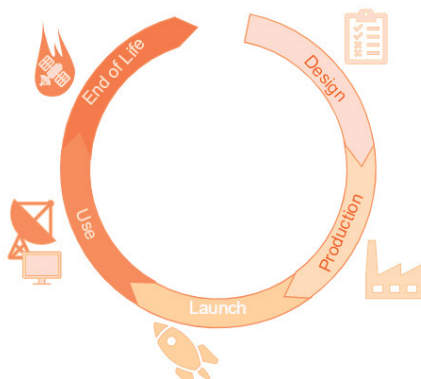
ACTIVITY

Project name: REACT

Objective: To develop a Life Cycle Assessment (LCA) methodology for the early design phase, including high-altitude emission comparisons, prospective LCA analyses and reports of REACH risks. The result was to be implemented in a software tool to support design decisions across the design stages.

Applications:

- Comply with environmental regulations (e.g. national and EU laws)
- Meet agencies' requirements (e.g. ESA, CNES)
- Enable environmental impact reporting (e.g. for stakeholders or investors)
- Enable eco-design decisions during early and later design stages



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TECHNOLOGY AND INNOVATION

What we developed: The Assessment and Comparison Tool (ACT): a simplified and prospective LCA and eco-design tool tailored to the space sector.

Unique features:

- Intuitive and rapid space system LCA setup and computations
- Prospective LCA for future systems
- Easy comparisons between different system configurations or missions
- Simulation of high-altitude emissions

Alert on the use of materials in the EU's REACH list

KEY RESULTS

1. Created the spin-off EcoDeltaV to maintain, improve, and distribute the ACT (under licence or through consulting service)
2. Delivered the software and its documentation to ESA FLPP for internal use
3. Performed LCAs with ACT within industry consortia

NEXT STEPS AND MARKET READINESS

Roadmap:

- Continued improvement of ACT through customer feedback and integration with common engineering tools
- Launch of a free public access version of ACT (2nd half of 2026) with limited features.

Opportunities:

Near term: Looking for sustainability consultancy projects and for software development partners

Mid-term: Looking for Early Adopters of ACT

Target Launch:

From Today: Open for LCA consultancy projects with ACT

From mid-2026: Launch of ACT Early Access Programme (discounted licences)

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