

Project idea: Alternative and new joining processes

Call area: Joining technology in multi material design

Contact

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Project Description

New joining technologies for deep drawn and /or rollformed parts for mobility, agricultural, building and machinery industry.

Project Objectives

- Screening of joining technologies for connections in various applications as an alternative to existing welding technologies such as: mechanical joining technologies like punch rivet glueing and others
- Development of competitive technologies for multi material connections (e.g.: Al/Ti, Al/Steel, FRP/metals...)

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Problem, State of the Art, and Envisioned Solution

- Joining problems with UHSS grades;
- multi material mix needs new joining technologies;
- joining technologies, that are fast (assembling time) and easy to use (unskilled workers at erection site of e.g. high bay warehouses)
- New joining technologies for deep drawn and/or rollformed parts for mobility, agricultural, building/construction and machinery industry.

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Our Partners, Our Know-How...

- voestalpine Metal Forming (Austria)
- voestalpine SadeF (Belgium)
- voestalpine Precision Strip (Sweden)

We are looking for...

- Joining experts
- Developers of joining elements
- Testing facilities for joints