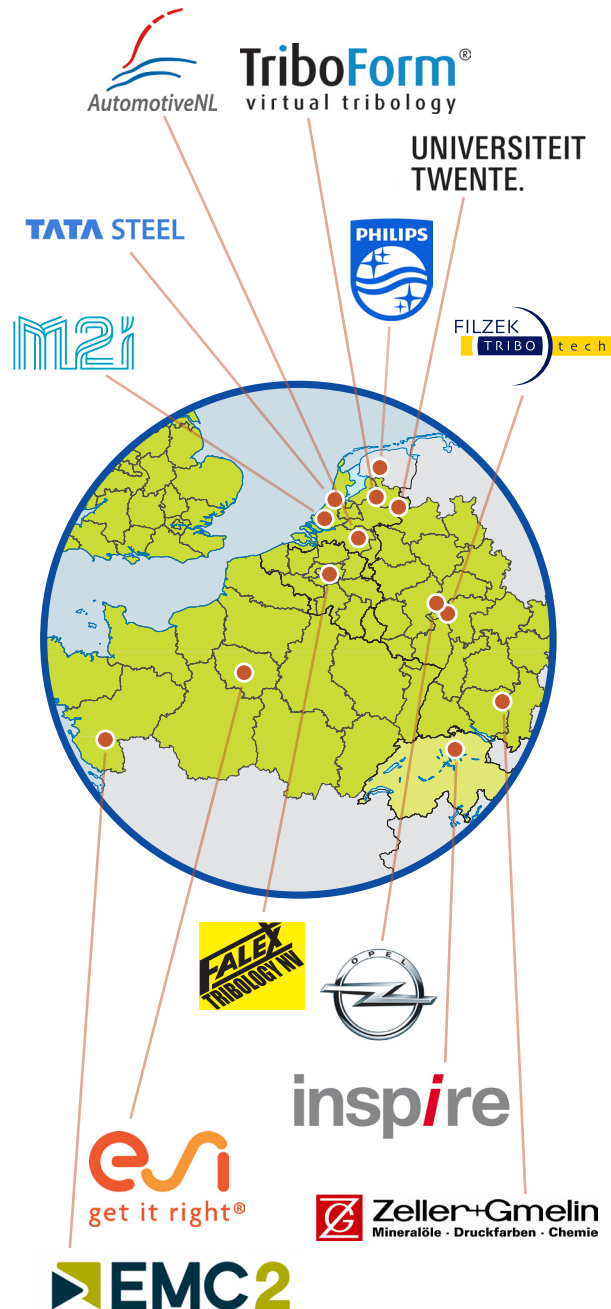


The ASPECT consortium

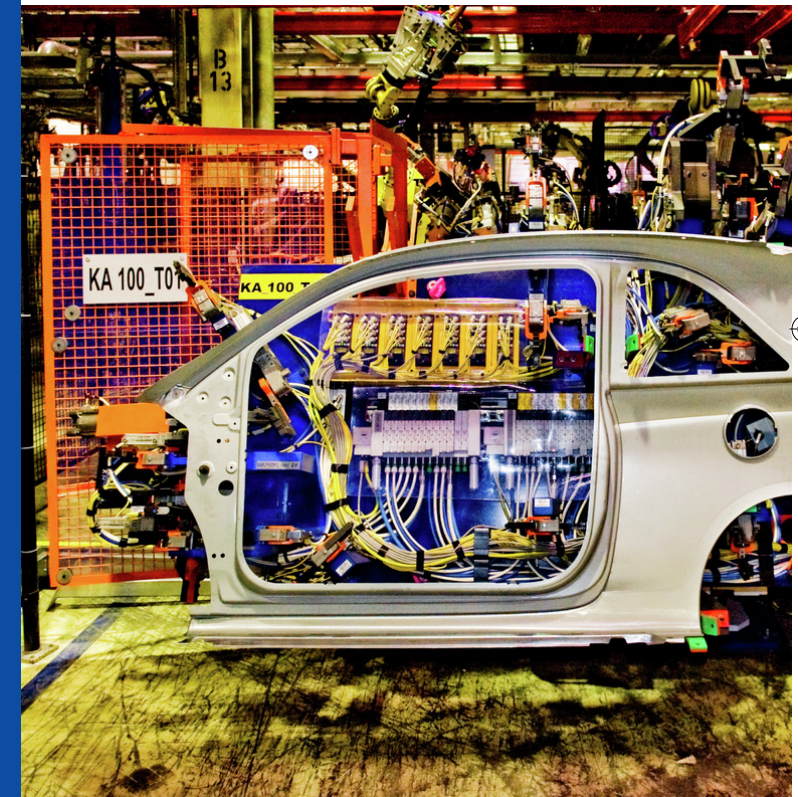


Contact information

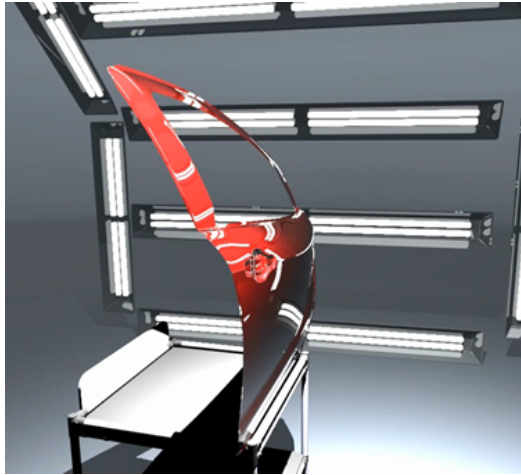
✉ i.degeratu@m2i.nl

🌐 <http://www.nweurope.eu/ASPECT>

Interreg 
North-West Europe
ASPECT
European Regional Development Fund



**Control of tribology in
sheet metal forming**



The sheet metal forming processes used in manufacturing are at least 25% below the maximum productivity. This is due to the **current impossibility to predict and control the temperature-dependent tribological effects** leading to product rejects.

The ASPECT project will deliver:

- **advanced simulations** that account for friction variation with temperature during production;
- **adaptive control systems** to allow in-line adjustment of process parameters.

These innovations will maximize productivity of metal forming lines in North-West Europe and enable **lifecycle cost reductions of up to 40%**.

In four years, ASPECT will deliver:

- **Physics-based prediction and control** of temperature-induced friction effects in cold forming
- **Robust simulation technology**, valid for both ends of the dimensional range and demonstrated on two industrial application cases: **Automotive** and **Consumer goods**.

In 10 years, these innovations will enhance the competitiveness of the EU manufacturing industry, keeping the production technology in Europe and generating highly skilled jobs.



Get involved! Enrol in ASPECT Tribology trainings:

1. **Fundamental training on tribology**, organised by the University of Twente in Enschede, The Netherlands.
2. **Practical training on friction effects in forming**, organised by FILZEK in Darmstadt, Germany. The next training will be organised in October 2019.

Check out the latest information on our website: <http://www.nweurope.eu/ASPECT>.

