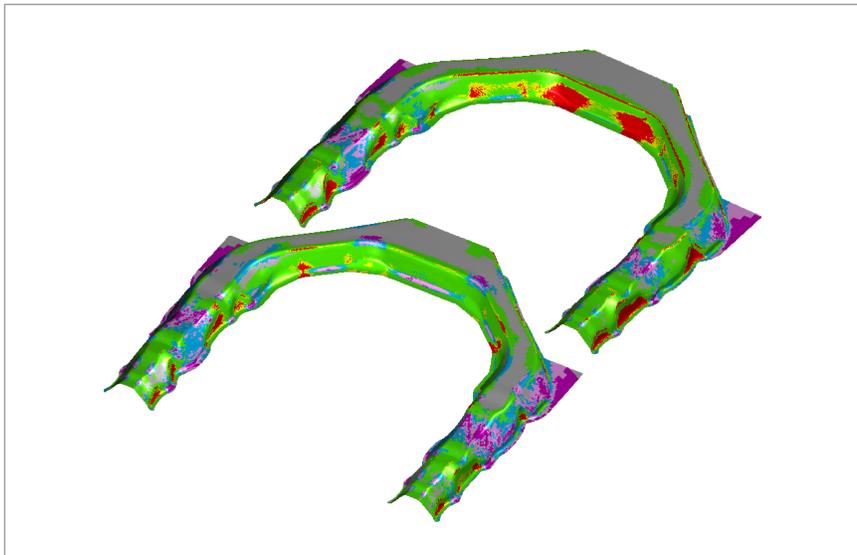


Optimization Based Engineering

Develop & design a formable part more quickly than ever.



Future Steel Vehicle Rail, Courtesy of WorldAutoSteel

ETA's **ACP Forming** Process is a multi-disciplinary approach based on **design optimization**. Using this process, ETA's consulting team uses the most advanced technology, tools and materials to create the **most formable structure** possible within the given constraints. This allows the manufacturer to quickly develop and design a **formable** part, significantly **reducing product development time & cost**.

ACP Forming optimizes the following for forming:

- Bead force
- Blank size
- Binder pressure

An integrated incremental 3B (Draw **Bead**, **Blank** Geometry and **Binder** Pressure) forming and crash optimization approach balances forming parameters such as draw bead force and geometry, blank shape/size and binder pressure and then **optimizes the product's gauges** to create the lightest, most structurally and cost efficient design possible that also meets the vehicle **performance targets**. It achieves this by optimizing the component design for formability while simultaneously **validating vehicle crash performance**.

For more information, email etainfo@eta.com.