



## SENIOR FLEXONICS DESIGN, DEVELOP AND MANUFACTURE BESPOKE COMPONENTS AND SYSTEMS FOR THE LAND VEHICLE, POWER AND ENERGY MARKETS

Senior Flexonics Crumlin is primarily a Sales, Design and Development centre for thermal management, fluid conveyance and flexible connector products offering unparalleled design, development, testing and manufacturing capabilities

Housed in a dedicated sales, research, development and prototyping site Senior Flexonics' program of continuous improvement and innovation has enabled the delivery of cost effective, high performance products for the rapidly developing marketplace

**senior**<sup>®</sup>  
Flexonics

## Products – Fluid Conveyance

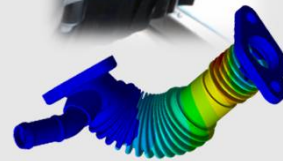
Senior Flexonics are a global leader in the supply of tubing products in the land vehicle market. We design tubes for a variety of fluid transfer applications, whether it's oil, coolant or gases...hybrid, electric or combustion - we will create a bespoke tube to suit your application.



### Product Range & Applications

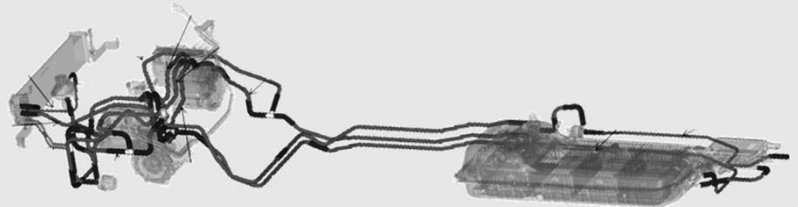
- Oil Lubrications tubes (Feed and Drain)
- Coolant Tubes for ICE, hybrid or battery electric vehicles
- EGR tubing
- Transmission tubing
- High Pressure tubing
- Rubber & Plastic tubing
- Sunroof tubing

We specialise in thin wall steel tube manipulation, creating bent & corrugated tubes using in-house hydro-forming techniques. We support our customers with lightweight & compact solutions, utilising FEA to optimise the design and durability.



### Hybrid & Battery Electric Vehicles

Senior can offer vehicle coolant systems for electric applications, using our components to circulate coolant through the battery module &/or range extenders. These can be packaged inline with our battery cooling plates.



### Key Benefits

- > Lightweight & compact, with hydro-forming capability to optimise vibration & durability characteristics
- > Possible to replace rubber hoses with corrugated flexible sections to minimise leak paths and reduce weight
- > Market leading capability and experience in the automotive sector

[www.seniorflexonics.co.uk](http://www.seniorflexonics.co.uk)