Flexible elements, or foil elements, offer many advantages. The material is flexible and allows multiple circuits or multiple voltages in the same element or the possibility to locate a sensor. The elements are suitable for different applications in a wide range of business such as communication, vehicles, monitoring, medicine, individual comfort heat, domestic heating etc. We can produce elements within a high range of technical specifications, for example power from 0 to 10 Watt/cm² and insulation material from –270°C to +400°C.

**Types of heating**
- Air heating
- Liquid heating
- Defrosting

**Material**
- Silicone
- Polyimide
- Polyester
- PEN – Polyethylene naphthalate
- PET – Polyethylene terephthalate
- Mica
- Aluminium

**Dimension**
- Maximum width app. 600 mm
- For aluminium app. 800 mm
- Unspliced print can be produced up to 2 meters

**Fields of applications**
- Water bed heater
- Floor heating
- Rear view mirror heaters
- Food heating applications
- Diesel filter heaters
- Heating operating mattresses for medical use
- Keyboard heaters
- div. industrial applications

**Assembly**
- Adhesive
- Clamping
- Vulcanized on plate

**Connection**
- Cable or tab terminals

Example of product design