SAES Group

making innovation happen, together

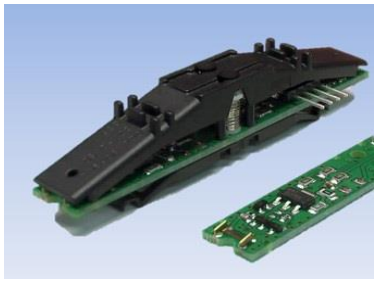
ASSOLOMBARDA
Confindustria Milano Monza e Brianza
Automotive Network

Who we are

SAES is an advanced functional materials group. Internally, it conceives and produces new families and new compounds of "functional" materials with special characteristics, that, for more than **70 years**, have been supporting innovation in a variety of areas such as consumer electronics, domotics, automotive, particle accelerators, gas purification and will surely be utilized in other new frontiers yet to be discovered.

The unique expertise of SAES Group in the field of materials science translates into the radically innovative activity carried out by the R&D department: the beating heart of the company's core strategy.

In the **Automotive** market SAES Group is present with two main families of materials: **Shape Memory Alloys** and **Functional Coatings**.



Shape Memory Alloys

The use of **Shape Memory Alloys for actuation represents a technological opportunity** for the development of electro-mechanical components: the typical characteristic of Shape Memory Alloy wires of ensuring mechanical actions if stimulated with electrical current allows the development of simple, more compact and reliable actuators.

By leveraging the core competence in special metallurgy and industrial high volume production capabilities, SAES Group, as a Shape Memory Alloys (SMA) **world leading supplier and manufacturer**, offers a highly diversified product portfolio of **SMA trained wires, springs and components**, able to satisfy the specific requirements of any industrial application.

The unique property of shape memory alloys to recover shape upon heating can be effectively packaged into **compact, light, powerful and silent actuators** to replace alternative technologies based on wax, DC motors and electrical motors.

Functional Coatings

SAES Group's functional coatings enable the development of a variety of products such as **high-barrier films** and **other special coating solutions** able to provide a variety of properties in several fields of application.

The combination of SAES unique expertise in top-down and bottom-up chemistry with polymer formulation and state-of-the-art mixing technologies is generating a number of new advanced functional materials and solutions in the fields of perm-selectivity, hydrophilic and hydrophobic surfaces (**anti-fog**) as well as in gas sensing and new market-driven applications.

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