## **REALISATION OF PROTECTIVE COATINGS THROUGH HIGH TEMPERATURE SPRAY DEPOSITION / DETONATION GUN**

**Innovations and Benefits** - By using the Detonation Gun, it is possible to realize surface coatings on components of different sizes, with various types of coatings, at ENEA laboratories.

**Use -** Realization of surface coatings.

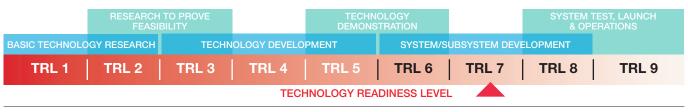
## **Applications and ongoing Activities -**

The Detonation Spray device is capable of creating surface coatings on large components (on flat surfaces up to 1000mmx1000mm and cylinders with a maximum diameter of 400mm). The surface coatings are made of Al203 / Al203 + intermediate layers on T91, AlSI 316, AlSI 304 or metal powders.

This technology is used in applications for fourth generation fission reactors.









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