



# ARC

Reduction of the weight of compression springs  
by plasma-assisted nitriding

BUDGET

€986K

GRANTS  
OBTAINED

€364K

ANR FUNDING

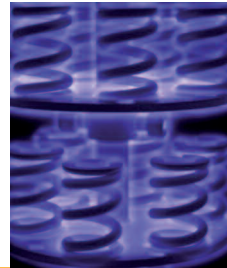
2005 - 2008

## THE PROJECT

The solution envisaged to improve the performance of compression springs (which are often operating at the limit of their maximum allowable stress) is to increase their elasticity by treating them by low temperature nitriding.

As there is no existing industrial process suited to this specific application, a new type of plasma source has been developed.

**ViaMéca**  
French mechanical cluster



### PROJECT SPONSOR

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