

Carbone Lorraine, a partner with NASA

Through its Ferraz Shawmut subsidiary, which specializes in the design and sale of industrial fuses, Carbone Lorraine recently signed a contract worth around USD 600,000 with NASA to design and build medium voltage DC switches for NASA Ames Research Center in Moffett Field, California.

These unique switches are part of a major drive to modernize Ames Center research facilities. The switches will be used in the Arc Jet Research Laboratory, which tests spacecraft's heat resistant materials.

Carbone Lorraine, which had already supplied NASA with high-voltage fuses and medium voltage switches, intends to develop new equipment for space exploration programs in the NASA Ames Research Center. Last year NASA successfully tested the first Ferraz Shawmut rectifier bridge, and approved this design for the entire 20 MW DC Arc Jet Laboratory power supply.

Carbone Lorraine's contribution to space exploration also includes the presence of brushes on the two Mars rovers currently exploring the Red planet. To withstand the extreme conditions, these brushes were specially designed to operate in an atmosphere- and humidity-free environment. The Carbone Lorraine brushes were, for instance, "doped" with a specific lubricant to enable the rovers to move reliably 40 meters per day in an absolute vacuum.

"We are particularly proud of being involved in this fantastic adventure" said Claude Cocozza, Carbone Lorraine's Chairman and Chief Executive Officer. "The fact that our products are now on Mars is a shining example of our ability to rise to the most demanding challenges".

These developments underline Carbone Lorraine's ability to offer its customers advanced technology solutions, even in extremely exacting environments.



--end--

Reminder:

Carbone Lorraine is an industrial group specialising in electrical components (brushes for electric motors, magnets and industrial fuses) and advanced materials and technologies. Well-established world-wide, the Group holds world-class positions in all its main markets:

- *Electrical Applications*
- *Permanent Magnets*
- *Electrical Protection*
- *Advanced Materials & Technologies*
- *World # 2 in brushes for electric motors*
- *World # 3 in magnets for automobiles*
- *World # 2 in industrial fuses*
- *World # 1 in thermal anti-corrosion equipment*
- *World # 2 in high-temperature applications of isostatic graphite*

The Group is listed on the Premier Marché of the Paris Stock Exchange and is a constituent of the SBF 120 and Euronext 150 indices.

To find out more about the Group, please visit our web site at www.carbonelorraine.com.

Contact for investor relations

**Carbone Lorraine
Anne MILLS**

Tel.: +33 (0)1 46 91 54 48
Fax: +33 (0)1 46 91 54 07
anne.mills@carbonelorraine.com

Contact for press relations

**Publicis Consultants.Ecom
Daphné CLAUDE**

Tel. : +33 (0)1 44 43 75 89
Fax : +33 (0)1 44 43 75 65
daphne.claude@consultants.publicis.fr

