



PRESS RELEASE

CARMAT will present pre-clinical data at the 25th Annual Meeting of the European Association for Cardio-Thoracic Surgery in Lisbon (Portugal)

Presentation of study results on “In vitro Haemocompatibility of a Novel Bioprosthetic Total Artificial Heart”

Paris, October 3rd 2011

CARMAT SA (FR0010907956, ALCAR), the designer and developer of the world's most advanced total artificial heart, announced that results of a study on *“In vitro Haemocompatibility of a Novel Bioprosthetic Total Artificial Heart”* will be presented at the 25th Annual Meeting of the European Association for Cardio-Thoracic Surgery in Lisbon (Portugal).

The presentation will take place on Tuesday October 4th at 9.45 (abstract ID **4509**) as part of a moderated abstract session on Assist Devices (*Assist Devices I*). Dr Piet Jansen, Chief Medical Officer with Carmat, will present the results.

The study assessed in-vitro haemocompatibility of the bioprosthetic blood-contacting surfaces of the Carmat Total Artificial Heart (TAH) by exposing them in closed circuits to human blood under pulsatile flow.

“We are pleased to share these data with the European Cardio-Thoracic Surgery community, commented Dr Jansen. “This in-vitro study – whose results have been added to our file with the Afssaps, the French regulatory authority – will be validated in clinical studies with the aim of reducing the burden of blood-thinning treatment when using the Carmat TAH”.

About CARMAT: CARMAT, the world's most advanced total artificial heart project.

The only credible response for all cases of end-stage heart failure, which is a real public health issue: CARMAT's aim is to be able to provide a response to a major public health issue associated with heart disease, the world's leading cause of death: chronic and acute heart failure. Indeed, this disease currently affects over 100 million patients in developed countries. By pursuing the development of its total artificial heart, CARMAT intends to overcome the well-known shortfall in heart transplants for the tens of thousands of people suffering from heart failure.

The result of combining two types of unique expertise: the medical expertise of Professor Carpentier, known throughout the world for inventing Carpentier-Edwards® heart valves, which are the most used in the world, and the technological expertise of EADS, world aerospace leader.

Imitating the natural heart: given its size, the choice of structural materials and its innovative physiological functions, CARMAT's total artificial heart could, assuming upcoming clinical trials are successful, potentially benefit the lives of tens of thousands of patients a year whilst ensuring there is no risk of rejection and providing them with an unparalleled quality of life.

A project leader acknowledged at a European level: with the backing of the European Commission, CARMAT has been granted the largest subsidy ever given to an SME by OSEO; a total of €33 million.

Strongly committed, prestigious founders and shareholders: Truffle Capital (the leading European venture capital firm), EADS, the Foundation Alain Carpentier and the thousands of institutional and individual shareholders who have placed their trust in CARMAT.

For more information: www.carmatsa.com

Disclaimer

This press release and the information contained herein do not constitute an offer to sell or subscribe to, or a solicitation of an offer to buy or subscribe to, shares in Carmat ("the Company") in any country. This press release contains forward-looking statements that relate to the Company's objectives. Such forward-looking statements are based solely on the current expectations and assumptions of the Company's management and involve risk and uncertainties. Potential risks and uncertainties include, without limitation, whether the Company will be successful in implementing its strategies, whether there will be continued growth in the relevant market and demand for the Company's products, new products or technological developments introduced by competitors, and risks associated with managing growth. Unfavourable developments in connection with these and other risks and uncertainties described, in particular, in the Company's Document de Référence registered with the French *Autorité des marchés financiers* ("AMF") on 27 April 2011 under number R. 11 - 017 together with the Note d'Opération approved by the AMF under visa number 11-108 on 11 July 2011, could cause the Company to fail to achieve the objectives expressed by the forward-looking statements above.



CARMAT

Marcello Conviti

CEO

Patrick Coulombier

COO

Valérie Leroy

Director, Marketing and Investor Relations

tel.: +33 139 456450

mobile/cellular: +33 609 080347

investors@carmatsas.com

ALIZE RP

Corporate Communication / Press Relations

Caroline Carmagnol

Tel.: +33 142 688643

caroline@alizerp.com



Name: **CARMAT**

ISIN code: **FR0010907956**

Ticker: **ALCAR**