



CEA SACLAY - Nano-Innov  
Bât. 861 - Point Courier 142  
F-91191 GIF-SUR-YVETTE cedex  
info-list@cea.fr  
Tel +33 (0)1 69 08 25 01  
Fax +33 (0)1 69 08 18 19

[www-list.cea.fr](http://www-list.cea.fr)

## CONTACT INFORMATION

Yann PERROT  
Head of Laboratory

### other contact :

Xavier APOLINARSKI  
Sales Director

## KEY FIGURES

Employees : 750

## CERTIFICATION

ISO 9000

## Equipment categories

Vision / Robotics / Measurement & control

# INSTITUT CEA LIST

## PRESENTATION / KNOW-HOW

As a part of CEA, the French government-funded technological research organization, the CEA LIST Institute focuses its R&D programmes on **digital systems for industry**.

The institute gathers 750 researchers and technicians on strong economic and societal challenges: Advanced Manufacturing, Embedded Systems & Ambient Intelligence. The CEA LIST develops cutting-edge technological research in the fields of energy, transport, health, defence & security and manufacturing.

CEA LIST, awarded "Carnot institute" as soon as 2006, is dedicated to the competitiveness support of companies by innovation and technological transfer: its capacity to create a long-lasting relation with its industrial partners allows the institute to understand and answer their needs. In 2013, we collaborated with more than 100 companies (50 % of SMEs) within the framework of innovation partnerships.

## MARKETED PRODUCTS

Robots technology	1					
Electronic data acquisition and data processing equipment; measuring, testing and control systems	1					
Numerical control systems	1					
Image processing systems identification of colours, structure, surface inspection, optical measuring, etc.	1					
Measuring, testing and control systems	1					
Workpiece measuring instruments	1					
Material testing and fault detection instruments	1					
Other measuring and testing equipment	1					
Image data processing	1					
Image processing systems	1					
Smart camera	1					
intelligent camera ( built-in processor)	1					
Research centres	1					
Inspection and control	1					

## BRANDS PORTFOLIO

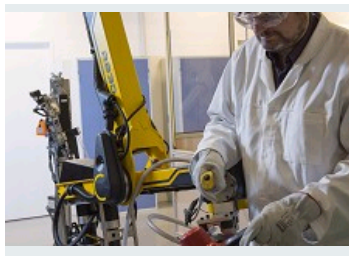
1 CEA LIST



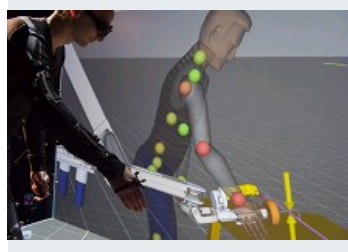
SYMOP  
Membre de la FIM



FORCE FEEDBACK ARM FOR ASSISTANCE IN INDUSTRIAL GESTURE



ASSISTANCE COLLABORATIVE ROBOT (COBOT) FOR INDUSTRIAL TASKS



TASK ANALYSIS IN VIRTUAL REALITY



AUGMENTED REALITY FOR MAINTENANCE AND TRAINING

## NEW AND KEY PRODUCTS

Within CEA LIST Advanced Manufacturing programme, the research on Interactive Robotics is focused on service robotics, telerobotics and collaborative robotics dedicated to a very wide scope of application in the fields of energy (nuclear, oil & gas), industry and health. Core technologies are new robotic architectures, high performance actuation, force and supervised control, method and software tools. Advanced Manufacturing also brings together researchers around virtual reality and augmented reality activities.

## MAIN CUSTOMERS

ENERGY - TRANSPORT - HEALTH - DEFENCE - SECURITY - MANUFACTURING



SYMOP  
Membre de la FIM