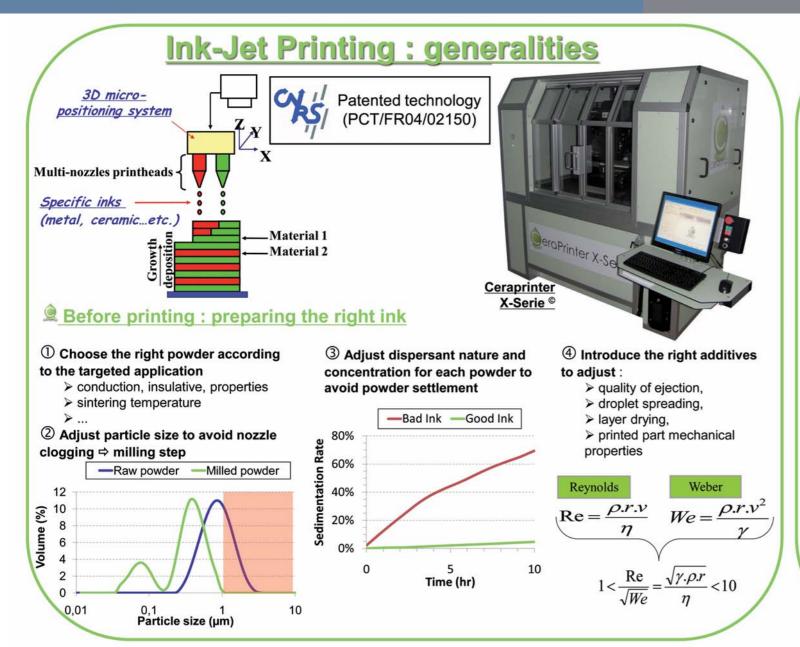
# EURIPIDES **Forum 2010** in Paris

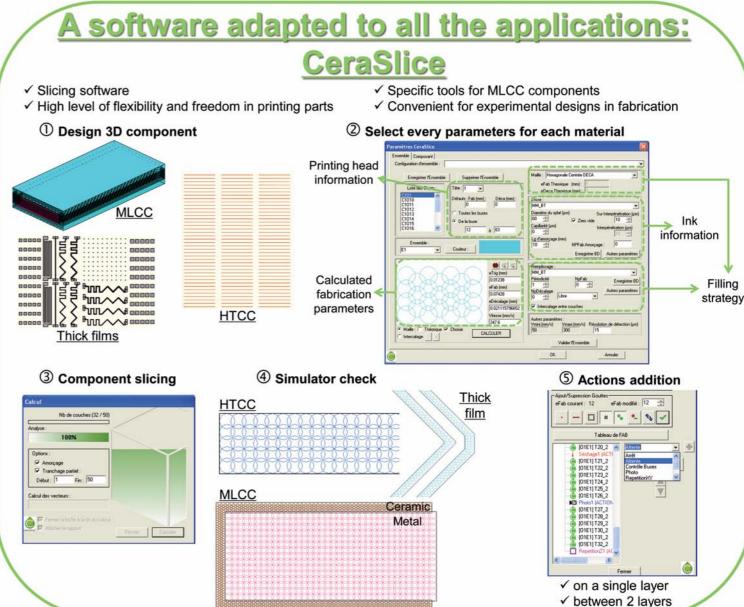
September 30th - October 1st, 2010 in Paris

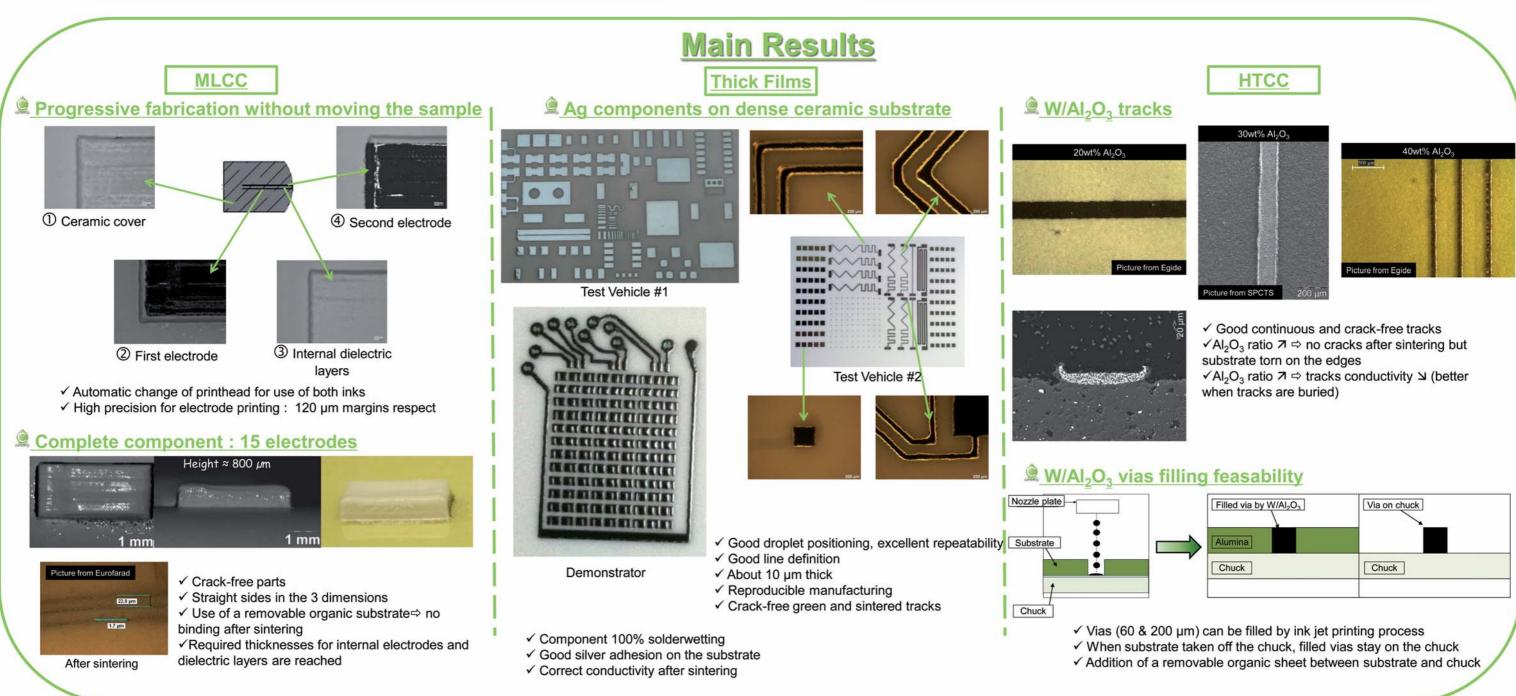
# CeramJet

Ceramic electronic components by inkjet printing

Ceradrop (Limoges – France); CMAC (Ronse – Belgium) ; Egide (Bollène – France) ; Eurofarad (Chanteloup-en-Brie – France); Heraeus (Hanau – Germany); SPCTS (Limoges – France)







## MLCC

- ➤ Identify final metal ink
- Control dielectric properties
- > Print completely straight parts
- > Reach the same results on bigger components
- > Develop new functionalities of CeraSlice too allow printing of crack-free big parts.

### **Perspectives**

#### **Thick Films**

- Make exactly the same parts as industrial actors today by ink-jet printing
  - ⇒ Transfer Ink-Jet Printing process to industry

#### HTCC

- ➤ Work on W/Al<sub>2</sub>O<sub>3</sub> formulation (ejection is still too changing in time)
- > Electrical chacterisation s of other test vehicles
- Sintering trials on other test vehicles
- > Enlarge ink formulation so as it can be used for several applications
- Improve vias filling















