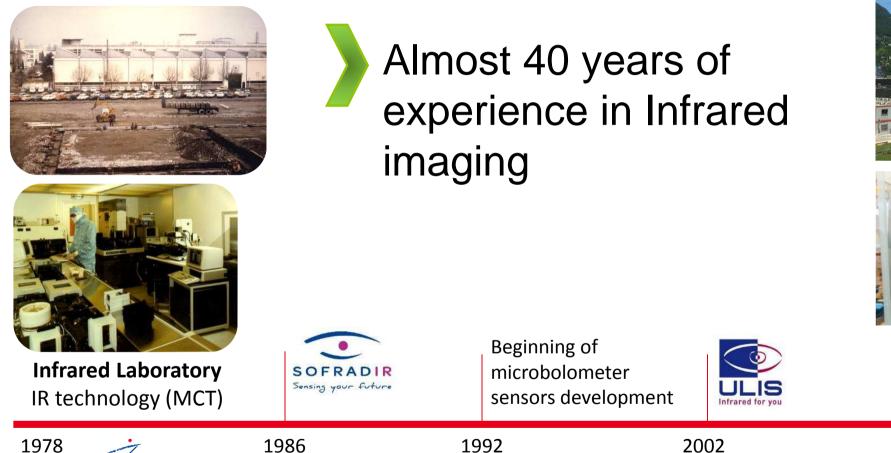




INFRARED IMAGING



A NICE STORY OF THE HISTORY OF LETI







Photonic Platform

DGA

2017



HIGH-PERFORMANCE INFRARED IMAGING

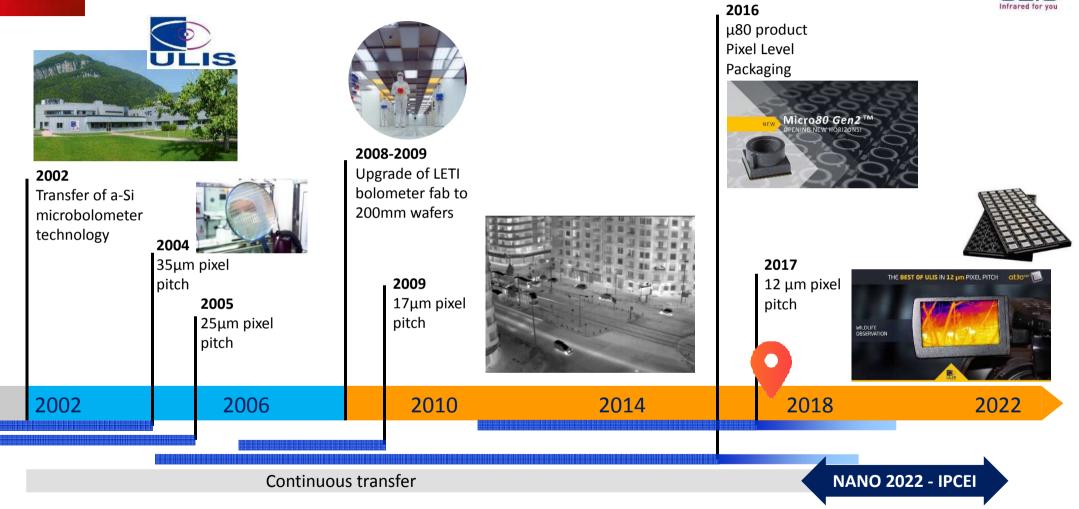


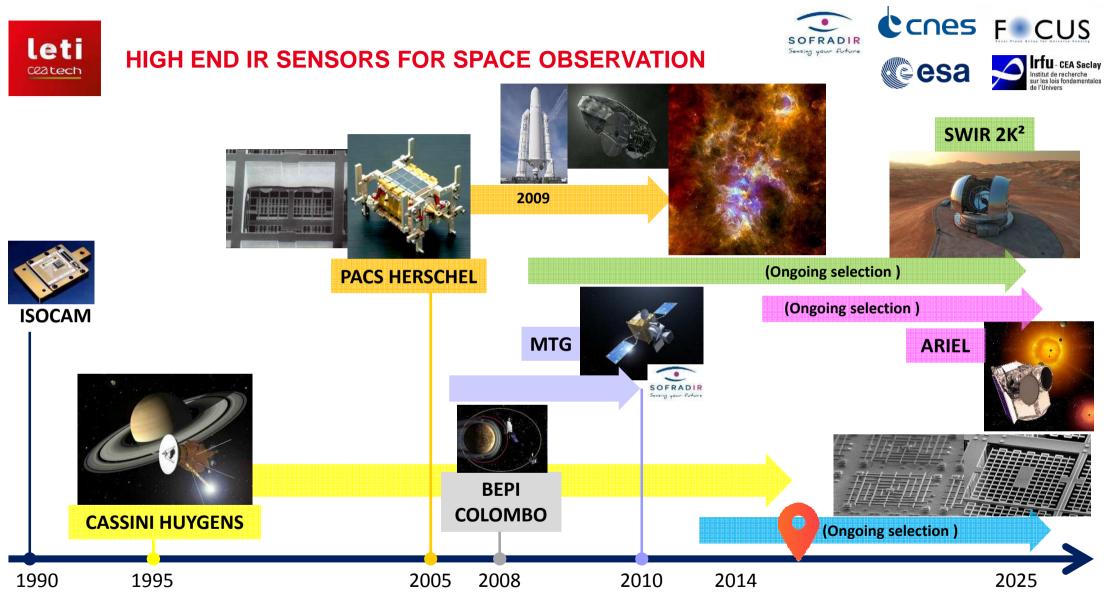
	1978 Creation of Infrared Lab at CEA-LETI	1986 Transfer of HgCdTe technology	SOFRADIR Sensing your future		2003 Creation of D joint laborato HgCdTe techn	2010 CEA jo III-V La EFIR ry on	bs 2013 Creation o	b	
19	78 1984	1990) 1996	2002	2008		2014	2020	2024
		Continuous transfe	er	Acceleration of industrial transfers (p/n, EPL, large substrates)			NANO 2022 IPCEI		
								High perfor FPA for Astr	

Space applications Leti Innovation Days | June 28-29, 2017 | 3 leti

HIGH-QUALITY THERMAL IMAGE SENSORS



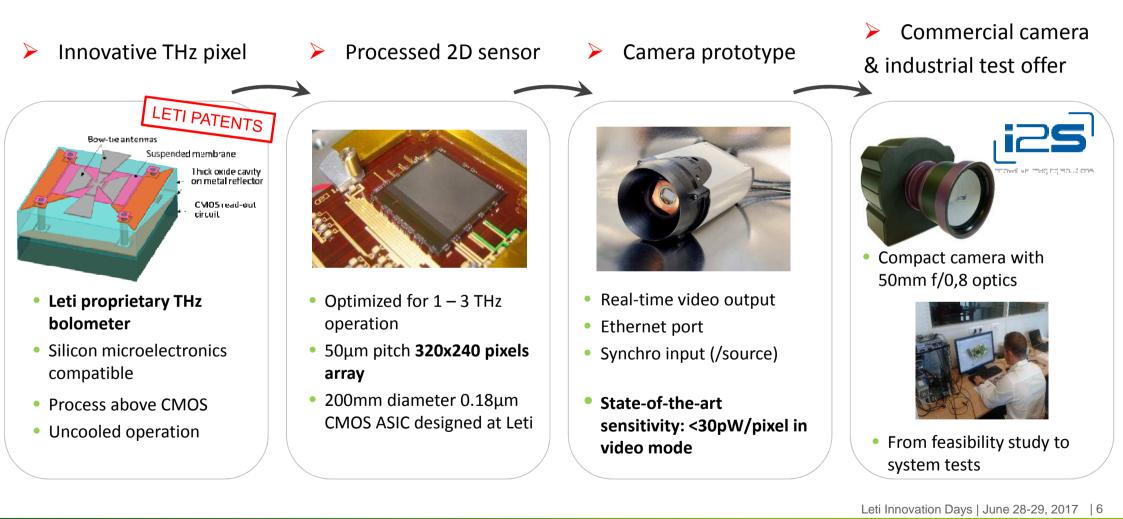






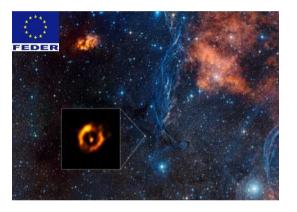
PUSHING THE FRONTIERS OF IR TOWARDS TERAHERTZ IMAGING

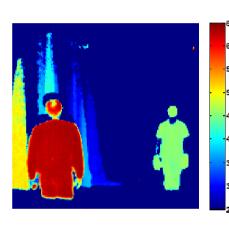
FROM CONCEPT TO COMMERCIAL TERAHERTZ VIDEO CAMERA

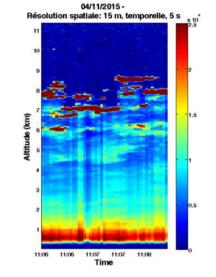




NEW PERSPECTIVES : IR AVALANCHE PHOTODIODE

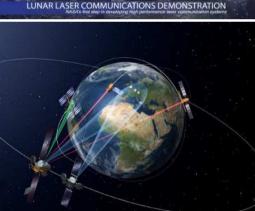






CO2 atmospheric measurement



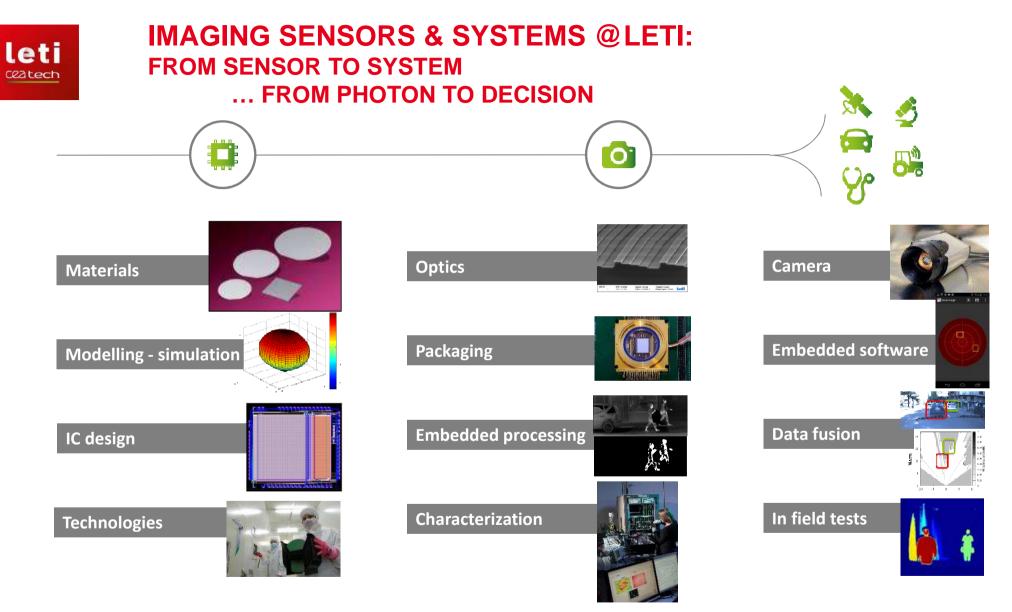


Photon counting Wave front correction Ultra low flux detection

3D LIDAR Imaging (High end applications)

Greenhouse gases monitoring

Deep space communication



We can ask your questions in numerical environnement

Agnès Arnaud Pierre Castelein François Simoens

Leti, technology research institute Commissariat à l'énergie atomique et aux énergies alternatives Minatec Campus | 17 rue des Martyrs | 38054 Grenoble Cedex | France www.leti-cea.com



