



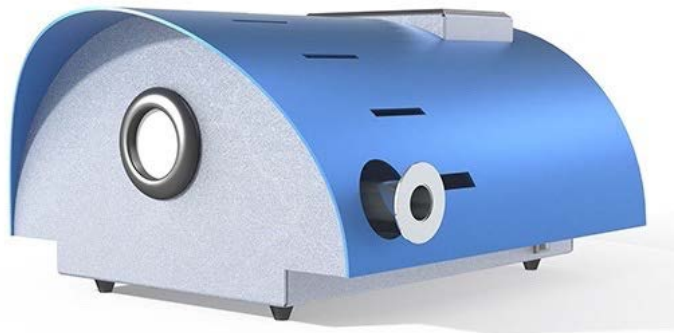
# Turning THz Quantum Technologies into user-friendly tools



P. Gellie

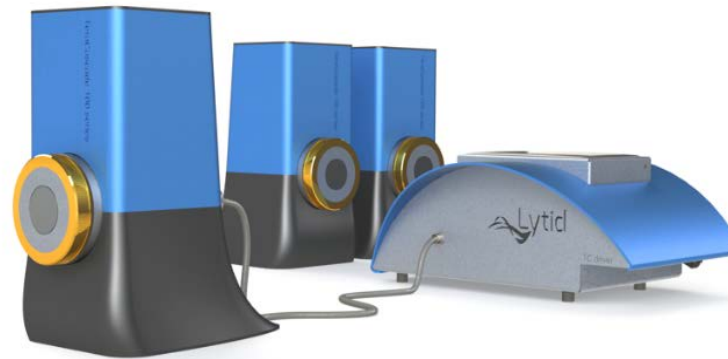
# Lytid's THz products range

TeraCascade 2000



CW Multi-band THz QCL

TeraCascade 100



QCW THz QCL

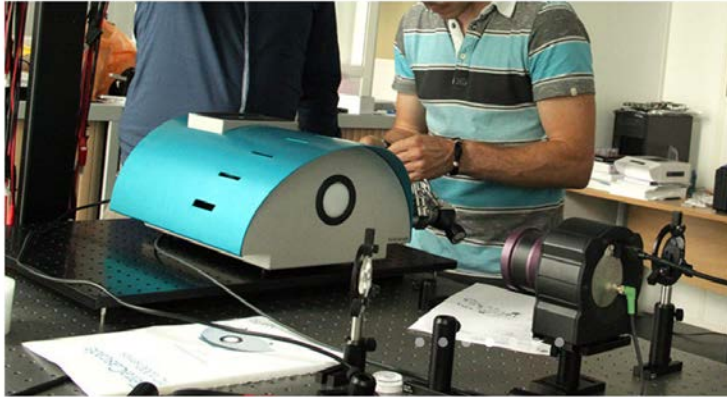
TeraSchottky



CW sub-THz



# New applications in development

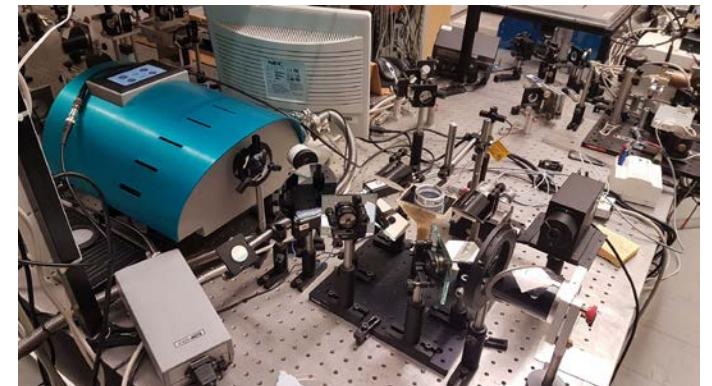


Detector characterisation

Multi-spectral high-resolution real-time THz imaging for NDT

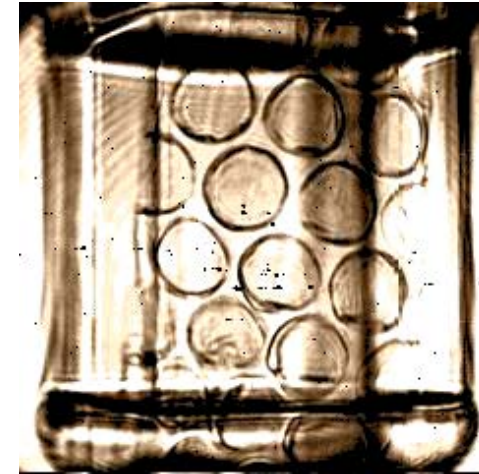
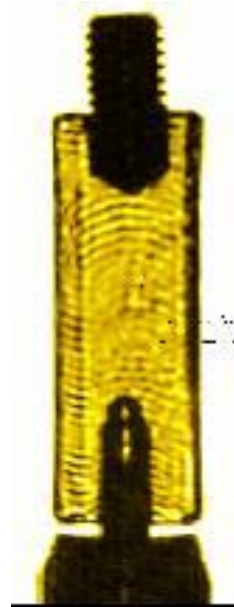


THz sensing of chemical migration through cell membrane

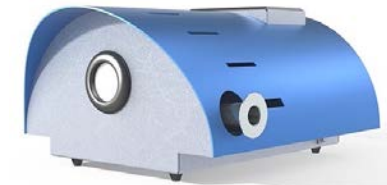




# Real-time imaging using THz QCL

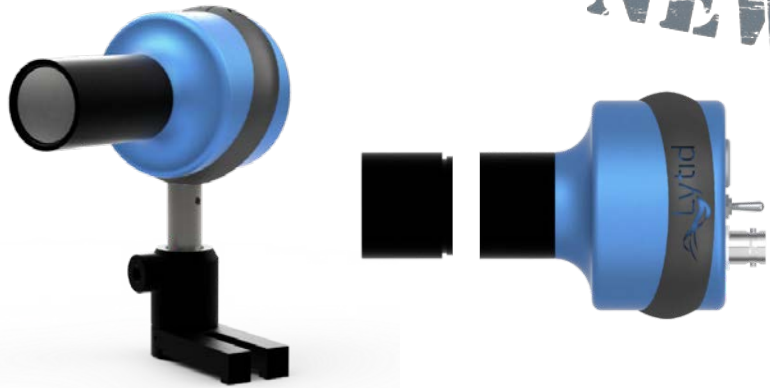


CEA-TECH Aquitaine, plateforme ISO, Bordeaux, France



# Lytid's THz products range

TeraPyro



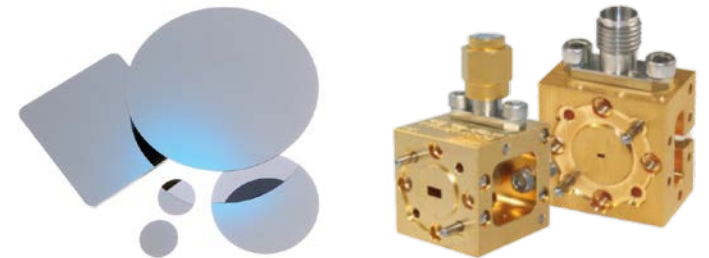
Pyroelectric detector  
with integrated optics

TeraLens



THz Camera Lens

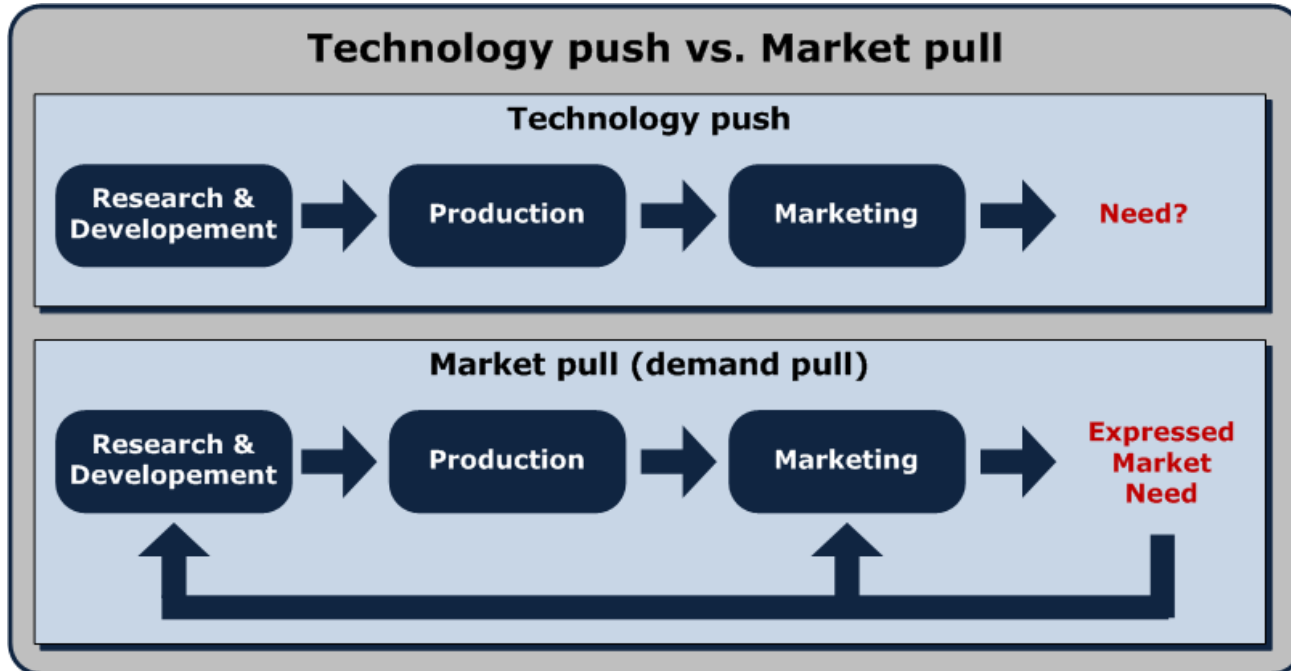
Optics and RF/mmW  
components



# Proposal for a THz technical accelerator platform

Problem

Solution?



A new light is coming...

Lytid SAS

10 rue A. Domon et L. Duquet

Université Paris Diderot – Bât. Condorcet

75013 Paris - FR

@ : [contact@lytid.com](mailto:contact@lytid.com)

: +33 6 99 37 50 53

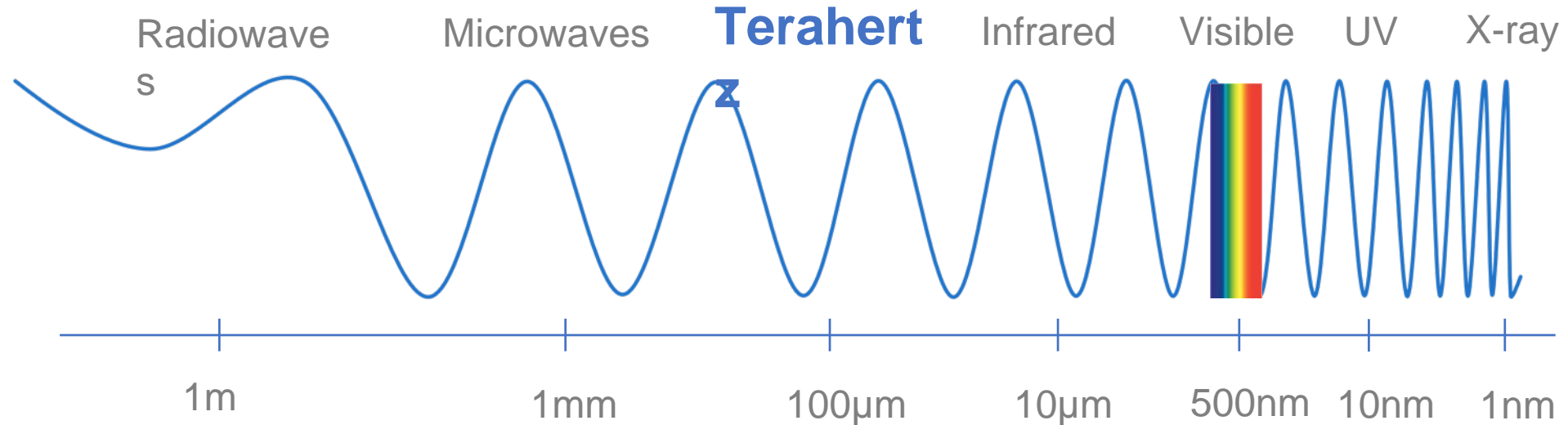
[www.lytid.com](http://www.lytid.com)







# Terahertz, the last frontier of photonics



- Non-ionizing radiation, safe for health
- Penetrating non-polar, non-metallic material
- Sensitive to water content



# Terahertz, a whole world of applications

