



NEW IMAGING TECHNOLOGIES

 SME - PARIS, FRANCE

 >85% EXPORT



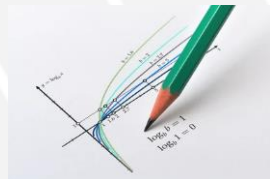
A LEADING SUPPLIER OF SWIR & HDR IMAGING SOLUTIONS



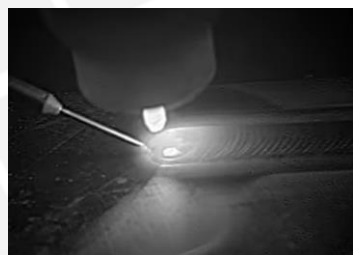
1 Impasse de la Noisette  
Verrières le Buisson  
91370  
FRANCE

 SWIR & CMOS SENSORS & CAMERAS

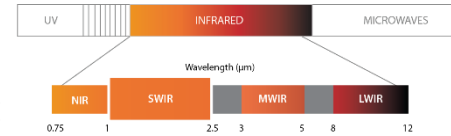
 INDUSTRY  DEFENSE & SECURITY  AIR & SPACE  SCIENCE



NIT already very present in welding CMOS Imaging Field: integrated in many systems  
- Patented Native HDR Logarithmic Pixel => **Never blind**



# HOW SWIR IMAGING CAN IMPROVE WELD MONITORING



## Why SWIR ?

SWIR gives both Reflective “visible” type information as well as thermal >300°C information:

- Monitor temperature decay
- Monitor Pool homogeneity

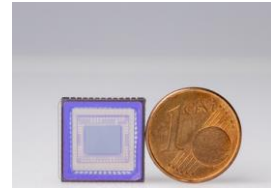
=> Quality Control



## Why Logarithmic ?

SWIR HDR Logarithmic response captures complete range of temperature  
From 300°C to 1800°C in a single capture.

=> Robust thermal information



## Why NIT ?

- Only patented logarithmic pixel response
- Cost efficient ruggedized InGaAs SWIR sensors
- Integrated TEC (Peltier) for thermal calibration

