



XENICS
HYDRON program

Mission Statement



- A supplier of **leading-edge** infrared solutions
- Leveraging a strong **knowledge** of **technology**
- To provide **affordable innovations**
- Driven by **applications** and **markets**
- Combined with **flexibility** and **support** towards our customers to answer to your specific infrared needs

Company History & Update

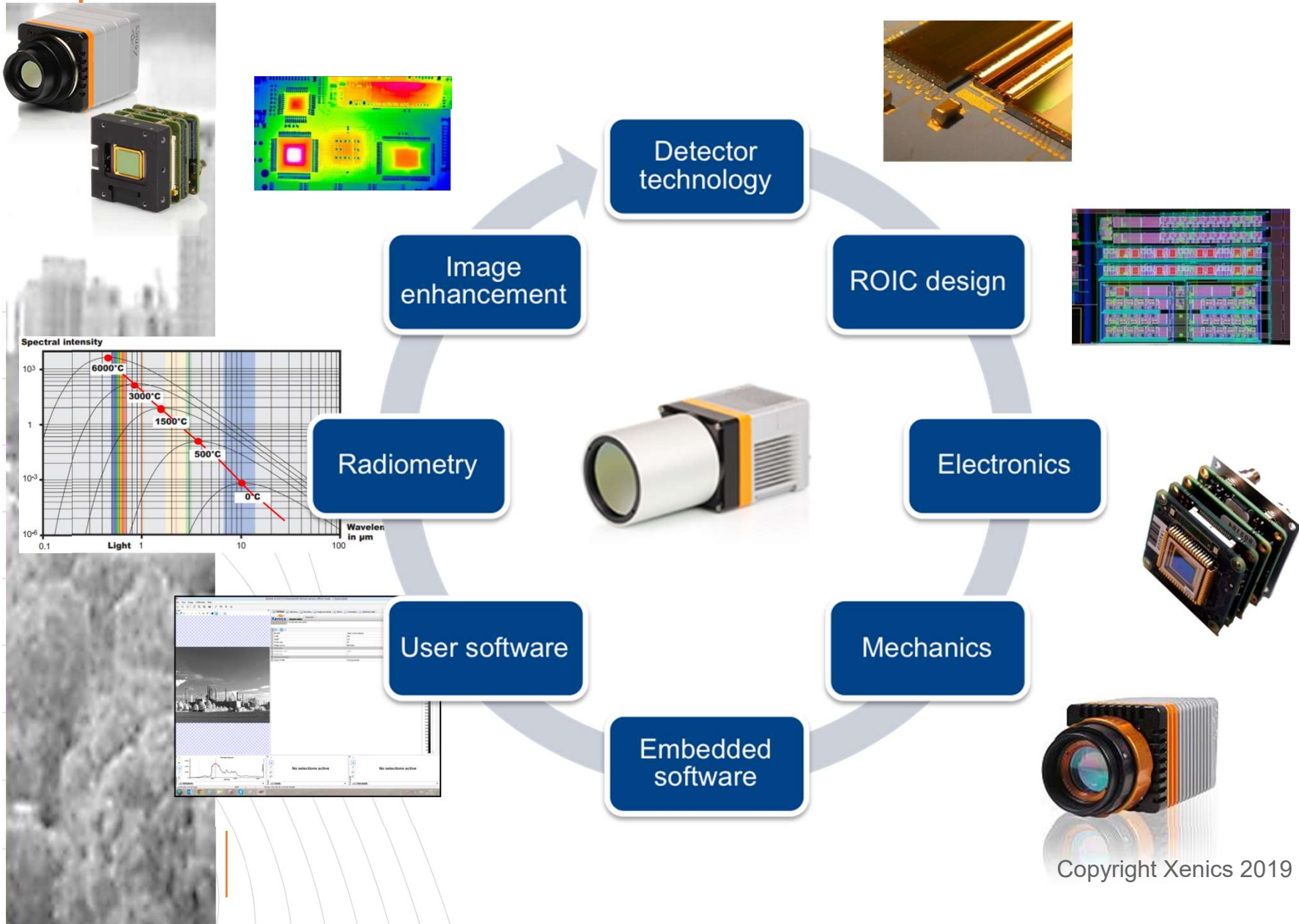


- Independent supplier of infrared cameras and detectors
- Europe's leading supplier of SWIR InGaAs imaging detectors
- Founded October 16th, 2000
- Spin-off of IMEC

- Profitable since 2004
- Number of personnel worldwide 62
- Headquarters in Leuven, Belgium
www.xenics.com
- Addressing industrial, surveillance, security and space market segments



Core Competences



Vertically Integrated SWIR offering



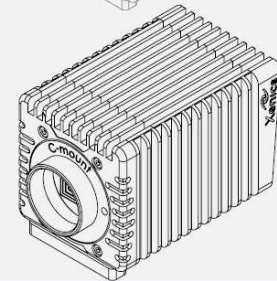
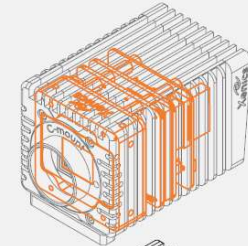
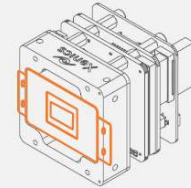
- SWIR cameras, sensors and detectors products
 - Linescan (1D)
 - Areascan (2D)
- Design expertise:
 - RoIC (1D and 2D)
 - InGaAs
 - Cores
 - Cameras
 - Software and SDK



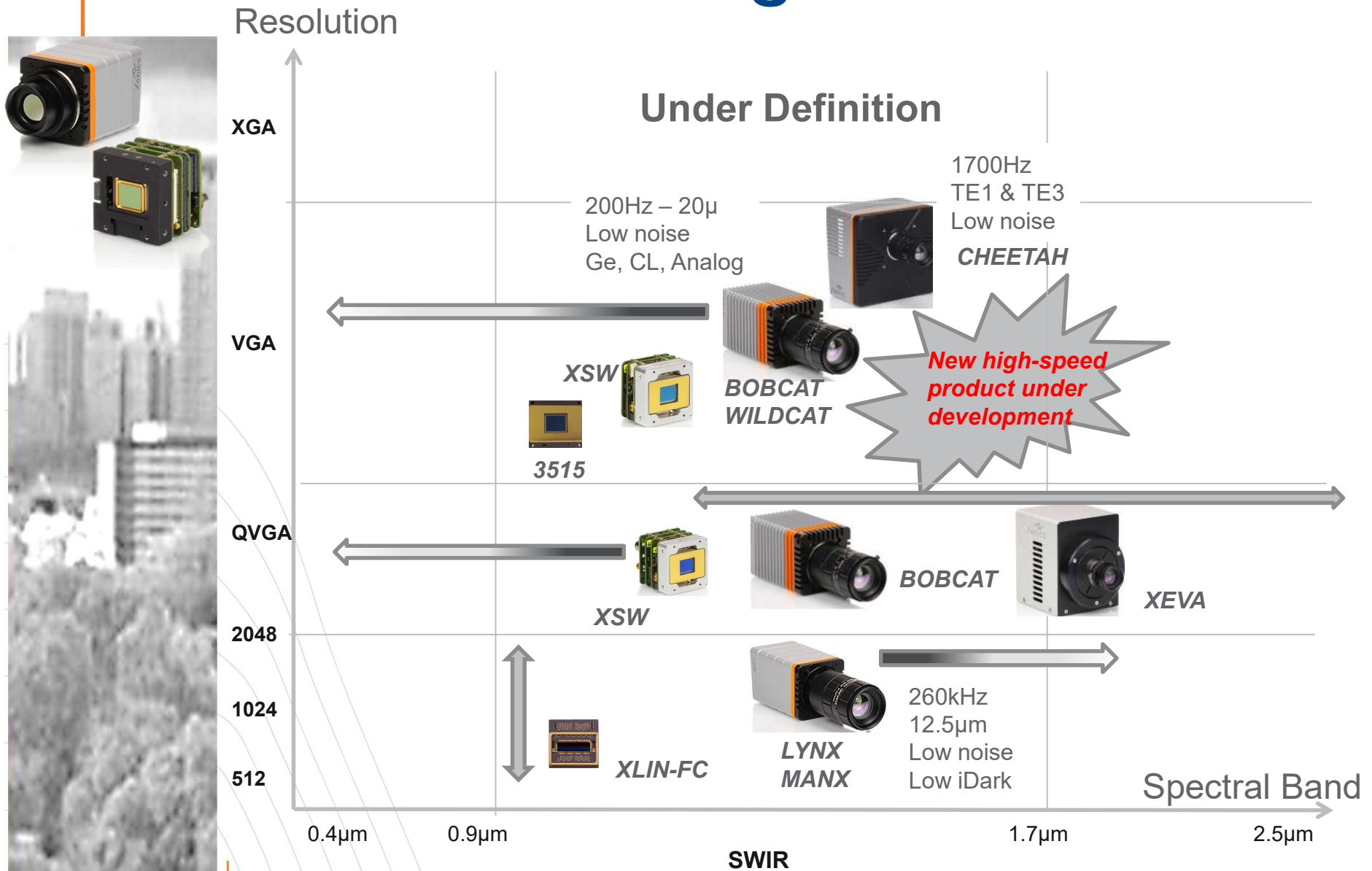
Vertically integrated manufacturing

Wavelength 0.9 - 1.7 μm

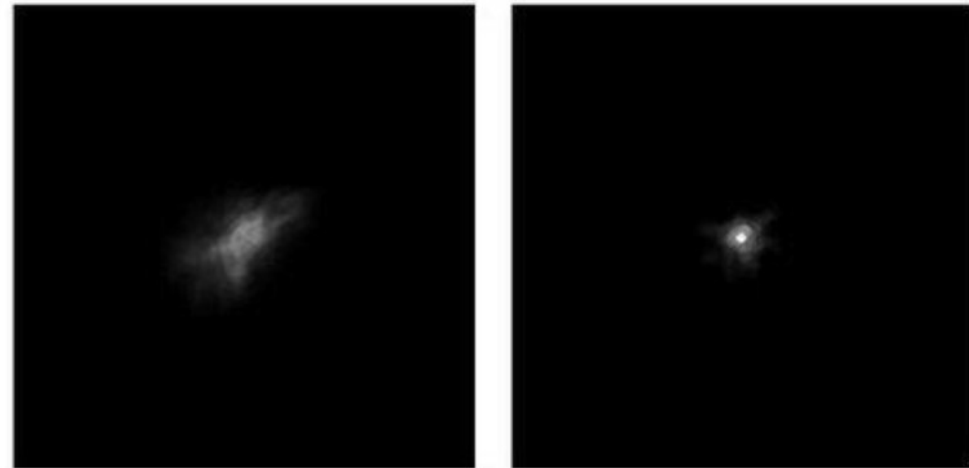
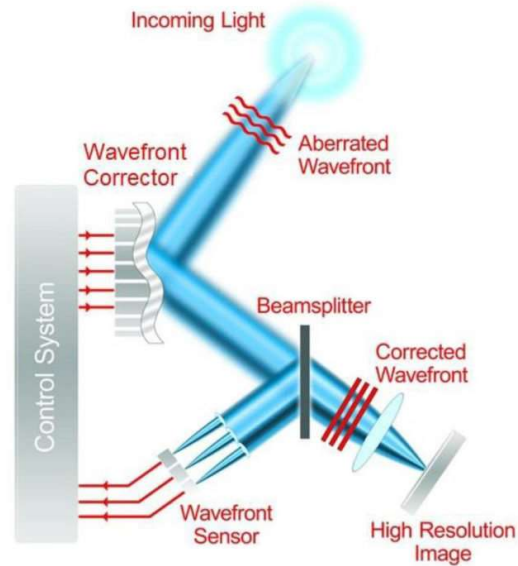
- Fully independent production of InGaAs sensors, cores and full cameras
- 3 levels of customisation to meet your application needs
- Continued R&D to produce breakthrough sensors & cameras



SWIR Product Range - Current



Expérience in WaveFront Sensing for adaptative optic



Traditional adaptive optics components and configuration. Adapted from C. Max, Center for Adaptive Optics [Boston]

Observation in H-band (1500 nm) of star Fomalhaut with Xenics Cougar SWIR camera as scientific imaging camera. Picture left uncorrected, picture right corrected with AO. (Credit: Dr. Ren Deqing from California State University Northridge)

Xenics in Hydron



- Xenics can offer 640x512 SWIR camera for wavefront sensing:

- High speed: 200Hz, 800Hz, 1700Hz full frame
- Low noise
- With region of interest to increase the speed

- Xenics interest in HYDRON:

- To develop the right WFS product for free-space communication



THANK YOU !