

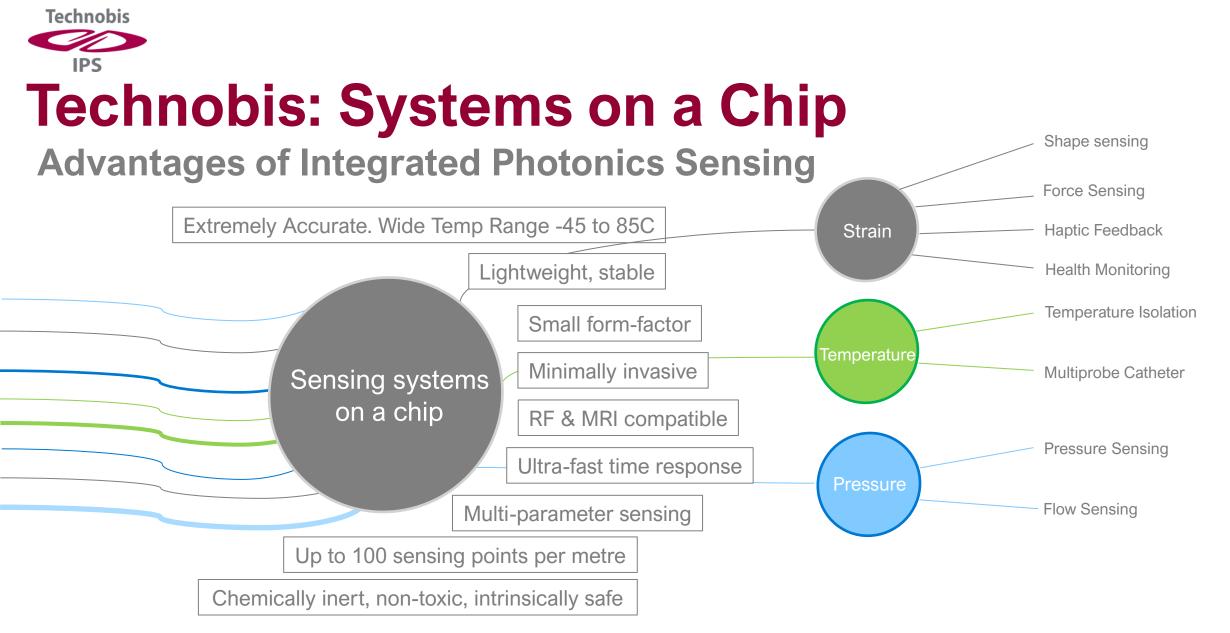
### **Specialists in Integrated Photonics Sensing**

AEROSPACE | MEDICAL | HIGH-TECH | ENERGY

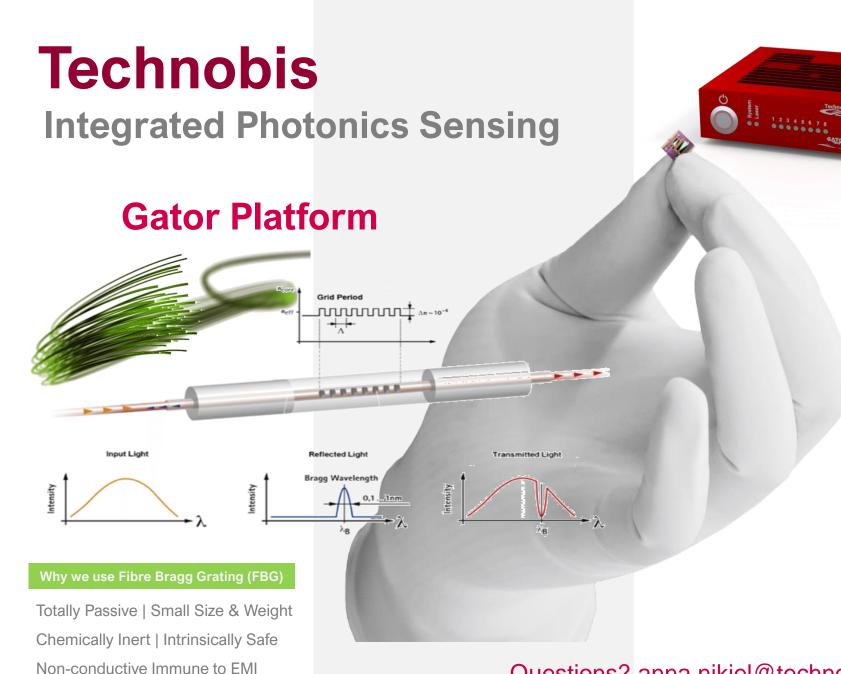




We're known for our temperature and strain Interrogators in aerospace. Now we're deploying that knowledge in other fields.



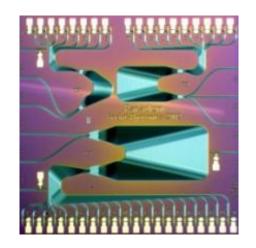
#### Questions? anna.nikiel@technobis.com



Low Loss | Remote Sensing

#### Application Specific Photonic Integrated Circuit (PIC)

Small Size, Reduced Weight Improved Thermal and Vibration Stability Hybrid Integration of Optics and Electronics Improved Reliability | Low Power | Lower Costs



GATOR



Questions? anna.nikiel@technobis.com

Battery Condition Monitoring Downforce and Vibration Crash Testing

**RF/MRI Compatible In-Vivo Temperature Sensin** Shape Reconstruction Sensing

6CE%98-1200x768.jpg

Extreme Resolution High Temperature and Radiation Heat Flux

**High Dynamic Strain and Temperature** 

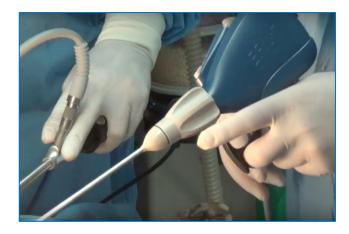
Overheating Detection Structural Health & Usage Monitoring Landing Gear Load Sensing

## **Technobis**

### **Integrated Photonics Sensing**

## Haptic Feedback (also called kinaesthetic communication or 3D touch) using Fiber Optic Sensing and Integrated Photonics

Reduce lesion damage from too much force	
Offers visco-elastic tissue feeling	
Ergonomic pistol hand grip	
Training: Much shorter learning curve	





### Questions? anna.nikiel@technobis.com



Packaged ASPIC 'OptiGator'

# Technobis

### Integrated Photonics Sensing: OptiGrip

## Haptic Feedback (also called kinaesthetic communication or 3D touch) using Fiber Optic Sensing and Integrated Photonics

Up to 4 times less force needed to manipulate tissue

More minimally invasive procedures possible, leading to faster recovery

Sterilizable fiber sensors in the instrument are reusable.

No interference to other equipment in the operating theatre.

Packaged ASPIC 'OptiGator'



Questions? anna.nikiel@technobis.com







## **Technobis Packaging Foundry is Expanding**

What can we do for EPIC members - and what can they do for us?



Questions?: anna.nikiel@technobis.com



### Call out to Device Manufacturers: Partner with Technobis

What can we do for EPIC members and what can they do for us?

How can we collaborate to integrate our wide range of data-gathering sensor systems into your cutting-edge devices?

Let's collaborate to make new outstanding products for a competitive price!



Follow up? Contact me: anna.nikiel@technobis.com

