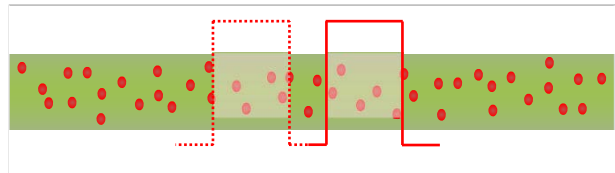


Silixa Distributed Optical Fiber Sensing Technology



MK2 Ultima	MK2 XT
Temperature (DTS) 0.01°C Resolution	



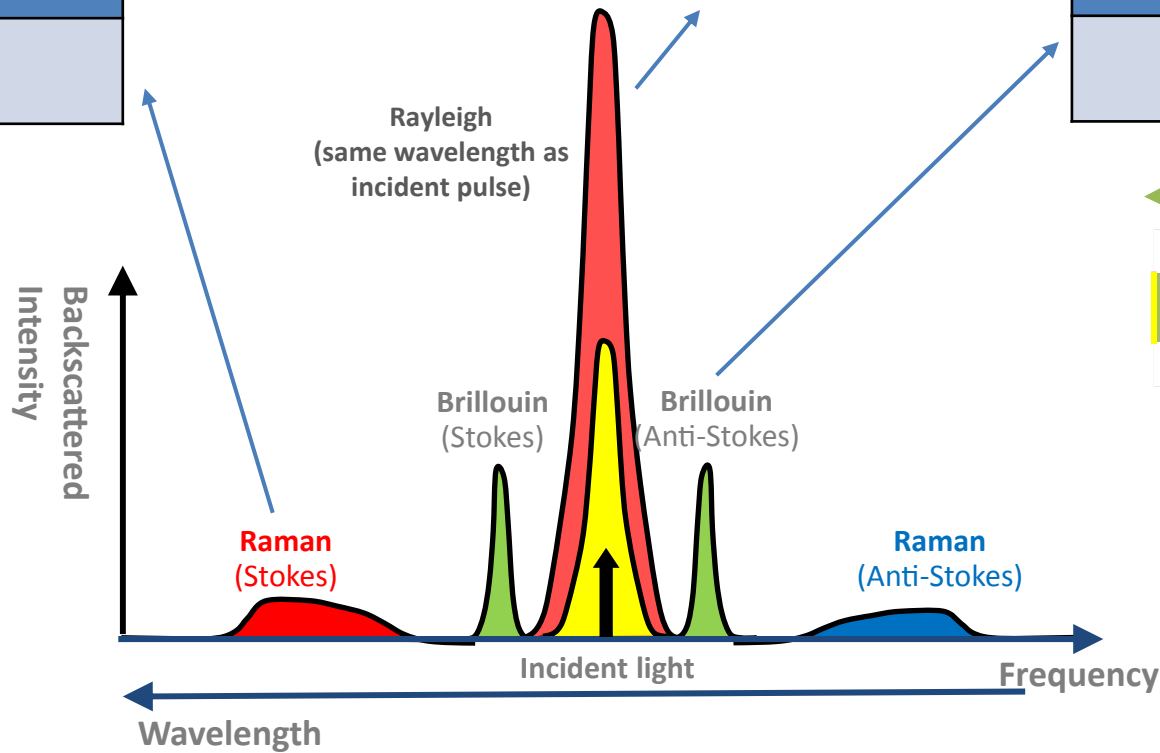
Standard fibre



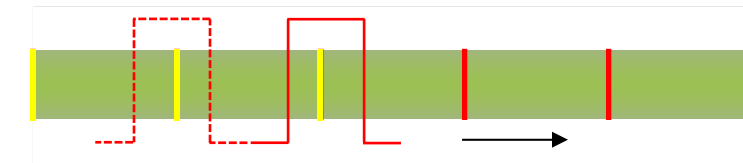
IDAS v2	Carina v3
Acoustics (DAS) >120dB Dynamic range	



Carina DSS	Fiber Ruler
Strain (DSS) 1 $\mu\epsilon$ Resolution	



Enhanced backscattering



Engineered Fibre
US Patent No. US 10,883,861 B2
EP Patent No. 3265757

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Monitoring Solutions

DTS (temperature)



Passive or Active Seepage Detection

- Seepage flow monitoring
- Water level



DSS (strain)



Subsidence and Deformation Monitoring

- Identification of locations with deformation
- Dam/levee breach detection



DAS (acoustic)



Subsurface Tomography / Imaging

- Material property changes
 - Density
 - Saturation

Microseismicity monitoring

