

**Leica Portugal**

EPIC Online Technology Meeting on Low Light  
Cameras Technology and Applications



Francisco Antão





# Two worlds of the Leica world – What we offer



## Photography



- High end, precise manufacturability
- Complete colour neutrality
- Ability upscale partners and suppliers' production of new technologies

Mutual help under a combination of product design and emerging technology

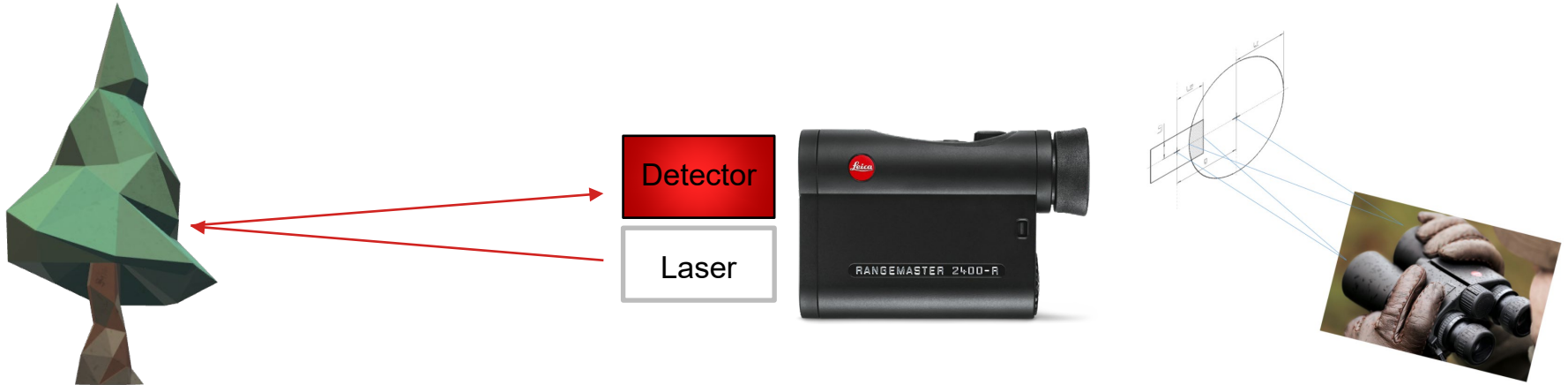


## Sport Optics





# Laser Rangefinding – What we look for



<b>Range</b>	3,200 m / 3,500 yds
<b>Measuring accuracy</b>	10 to 200 m approx. $\pm 0,5m$ 200 to 400 m approx. $\pm 1m$ 400 to 800 m approx. $\pm 2m$ 800 to 2,500 m approx. $\pm 0.5\%$
<b>Measuring time</b>	approx. 0,3 s
<b>Laser</b>	Eye-safe invisible laser according to EN and FDA class 1

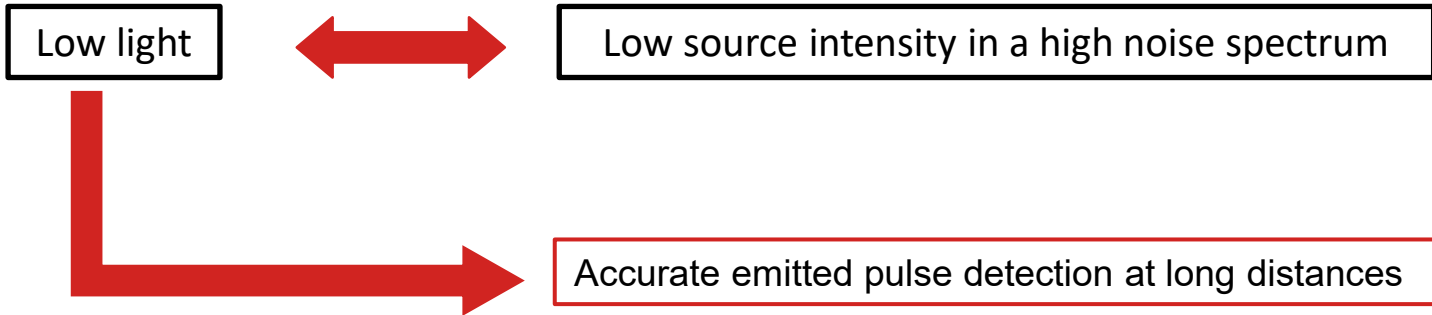


**Future**

- Improve Precision
- Increase Range



# Emitter and receiver – Challenges



The harmony between  
Laser, Detector and Display



**Focus, future and advances**

- SNR
- Detection Band
- Laser pulse
- Laser intensity

**While still providing Leica's standards**

- Sensitivity
- Image quality
- Cleanliness
- High transmission

**Thank you**

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