



phaseform

Adaptive optics, simplified.

Adaptive optics (AO) corrects for aberrations in real-time



Nearly **every optical system** suffers from optical aberrations

When the imaging medium **changes** either over time or from sample-to-sample, **dynamic** correction is required

Such correction elements and systems are on the market, but they are still too **complex, bulky and expensive** for broad adoption

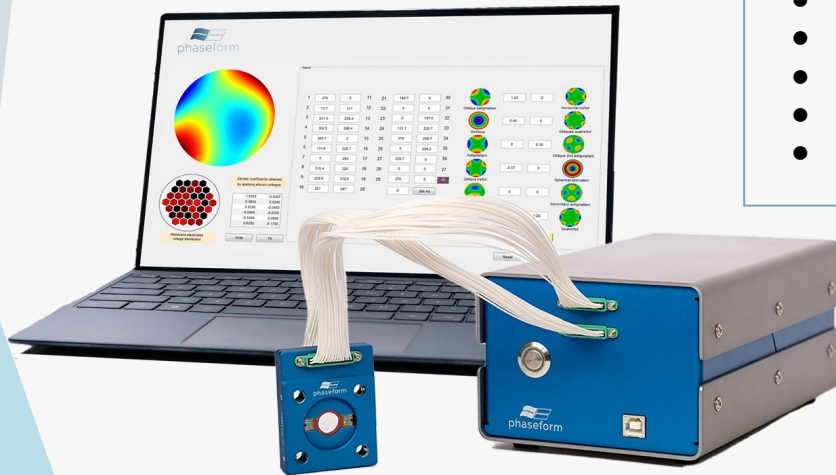
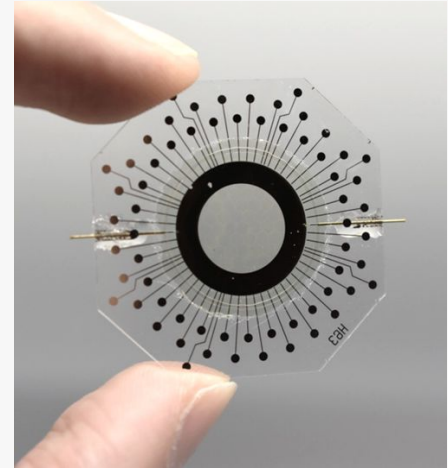
Phaseform pioneers a novel **refractive correction element**, that allows for more compact and cost-effective optical solutions, opening new fields of application for adaptive optics.

DELTA 7: Transmissive, high-order, optofluidic wavefront modulator

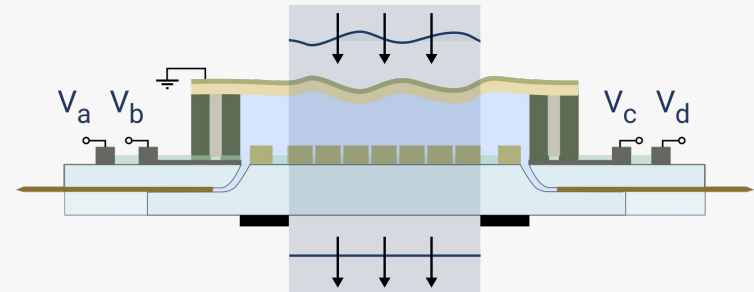


(accepting pre-orders for delivery from H2'22)

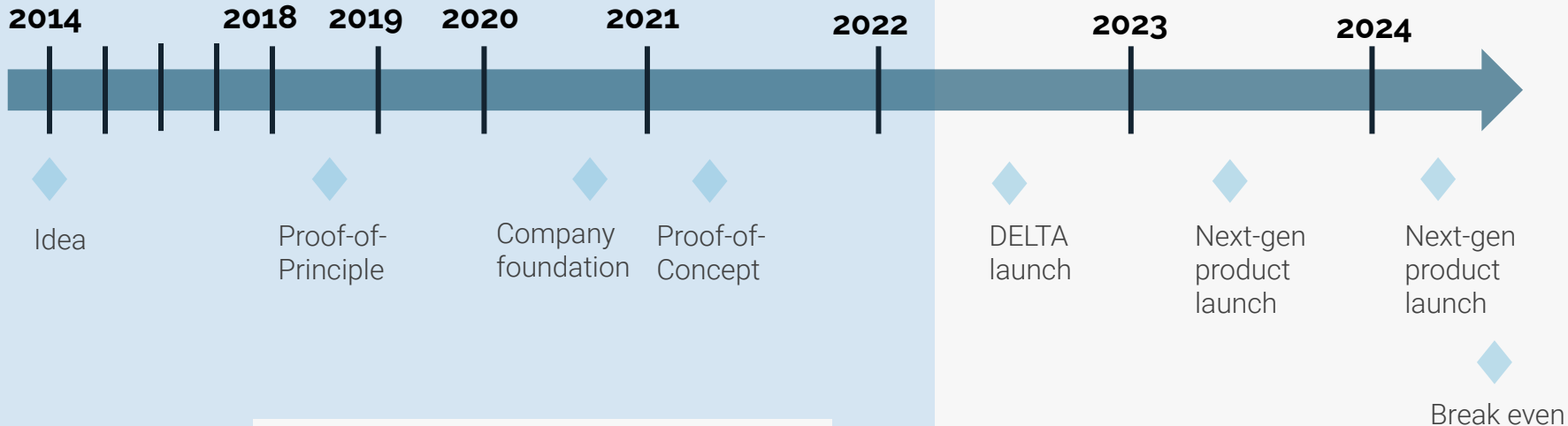
- Continuous surface
- 7th order Zernikes
- No gravity effect
- Polarization-independent
- Diffraction-free
- Linear & hysteresis-free
- Active best flat < 12 nm RMS



For R&D: compatible with optics platforms
For OEMs: to develop integrated adaptive optics products



Roadmap



2M€ invested so far

1.5M€ (grants), 0.5M€ (convertibles)

→ **Raising 1.5M€ in 2022**

2 installments: 500k€ Q2, 1M€ Q4

Scale DELTA wavefront modulator production

Developing product line based on core technology

Confidential

