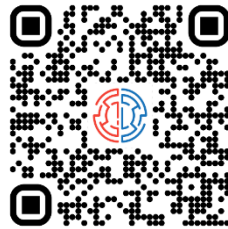


# E<sup>4</sup> - Diagnose

## Endothelium Explorer made Easy for Early Diagnose



We, at The Polymath Company,

Collaborate with our Clients and partners to innovate

On the technologies and the processes to overcome the Challenges of harsh environments and complex applications that our products and the products of those relying on us could perform at the best of their abilities with optimized resources and adaptability to the context and constraints.

The **E4-Diagnose** Research Prototype Medical Device is a non-invasive Endothelial function explorer. Using our expertise in several similar measurement protocols and the extensive knowledge and innovator spirit of leading Tunisian Cardiologists, we bring you these updated measurements:

- **EQI: Endothelial Quality Index**
- **Flow Ratio**
- **Time of Peak Flow**

These measurements provide strong indication of the vascular reactivity and quantitatively assess the endothelial function on a body-wide level with a high degree of reproducibility allowing analyses over time of the evolution of the diagnostic.

### Research and Validation Phase

E4-Diagnose research prototype is under on-going research and evaluation phase, identifying multiple use cases and applications from monitoring post-COVID19 patients, to new drugs impact on Endothelium ... Join us to know more about use cases and we let us partner to create new use cases.

[e4-diagnose@polymath.company](mailto:e4-diagnose@polymath.company)

The current prototype is evolving to allow more mobility and simpler use as well as to be certified by 2022 for wider spread.

[www.polymath.company](http://www.polymath.company)

Imm. Byzance, Rue du Lac de Windermere, Les Berges du Lac 1053, Tunis, Tunisia  
+216 22 625 396

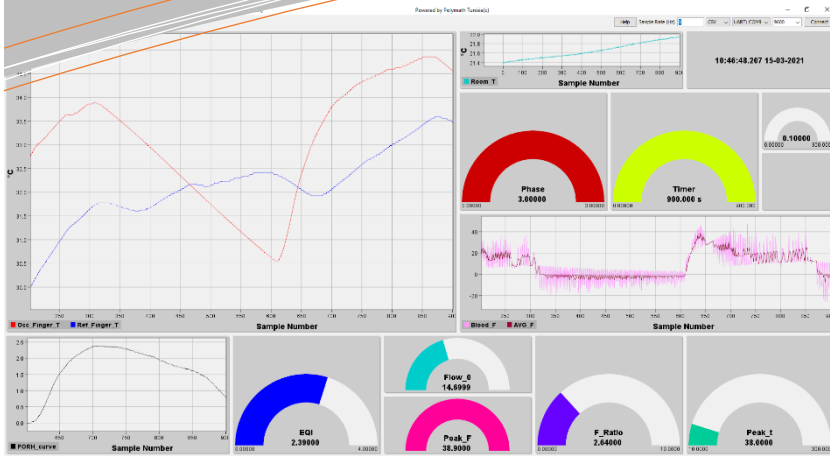
Forusparken 2, 4031, Stavanger, Norway  
+47 41 24 49 43  
+33 0(6) 50 98 75 31

[contact@polymath.company](mailto:contact@polymath.company)

# Engineering, Research & Development

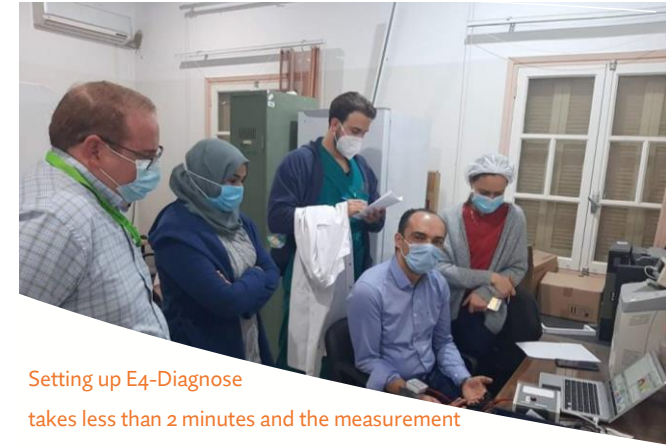
TO HACK THE CHALLENGES, WE ENGINEER THE SOLUTIONS.

Inspired by the flow test carried in Oil&Gas and based on long forgotten medical theories, we engineered the E4-Diagnose to be user-friendly while being extremely precise.



## KEY FIGURES

- 15-20 MINUTES TEST
- 0.002°C PRECISION
- MOBILE & STANDALONE
- 30 PATIENTS IN A ROW WITH SINGLE CHARGE AND PROBE KIT
- EXTREME LOW VOLTAGE AND NO RISK FOR PATIENT OR OPERATOR



Setting up E4-Diagnose takes less than 2 minutes and the measurement protocol can start. A freeware Viewer software is provided to display real-time and final results. Computations are performed on board of the device so results are stable and independent of the setup. Data protection is secured by the viewer implementation and usage.

They innovate using and testing E4-Diagnose Research Prototype



CHU Hedi Chaker  
Sfax

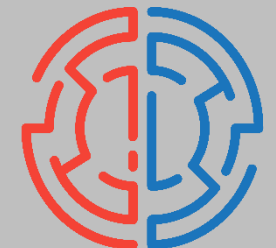
CHU Tahar Sfar  
Mahdia

CHU Habib Bourguiba  
Médenine

CHU Mongi Slim  
La Marsa

WE SHARE EXPERTISE ACROSS INDUSTRIES. HOW CAN WE HELP YOU?

Reach out to share the technical challenges you are facing and let us engineer the best fit solution to your constraints with you.



The Polymath Company  
ENGINEERING YOUR CHALLENGES