







Building continuous monitoring solutions for preparing individuals to surgery or sport competition

ELIS Innovation summit Ad de Beer









Preparing patients to be fit for surgery

Payers – lower healthcare cost savings Clinicians – less workload and risk of complications

Patients – better health outcome



These problematic challenges deriving from the healthcare and sports domains may require solutions that have a lot more in common than it could be thought





Preparing athletes to be fit for sport competition

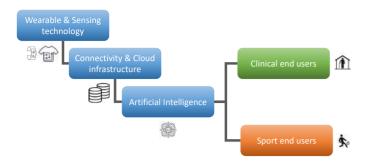
Sport business managers – larger income

Performance coach – better informed decisions

Athletes – lower risk of injury and better training



INNO4HEALTH solution pillars

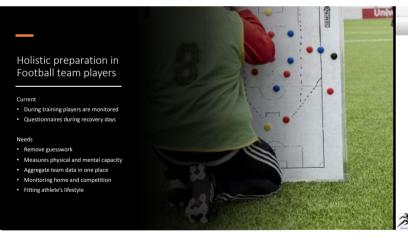


Use cases

Name	Domain		Leader
Re-habilitation after orthopaedic surgery	Health	NL/TR	MMC
Pre-habilitation in Bariatric surgery patients	Health	RO	BEIA
Screening for Sudden Cardiac Arrest	Health	NL	ММС
Claudication, venous ulcers and diabetic foot patients	Health	PT	ISEP
Holistic preparation for football competition	Sport	NL	PSV / PHILIPS
Cognitive preparation of athletes	Sport	LT	LIPSE
Management of athletes recovery after injury in team sports	Sport	CA	XCO
Personal health monitoring and self-assessment for health prevention, empowerment and management	Health	CA	RideShark









Examples of new business



PSV en Philips kondigen medische topprimeur aan: Veel beter na te gaan of training topsporters aanslaat

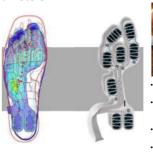


MONITOREN BINNEN EN BUITEN ZIEKENHUIS

DOI I OREN BINNEN EN BOI I EN ZIERENHOIS

De Healthdot sensor meet ademhalingsfrequentie, hartslag, activiteit
en lichaamshouding van een patiënt elke vijf minuten gedurende 14
dagen. De data kunnen zonder tussenkomst van een ontvanger
(monitoringsrelay) worden verstuurd naar één of meerdere
dataplatformen. Via deze platformen van Philips (IntelliVue Guardian
of Engage) kunnen zorgverleners hun patiënten binnen en buiten het ziekenhuis monitoren

ISEP - In-sole system for long-term monitoring of physiological parameters





- Wearable insole system for long term
- planar pressure measurement.

 1kHz 8 point measurement foot pressure from both feet information, synchronized with <5us delay.
 Integration of PPG and HRM/ECG information from Polar sensors.
- Electronics include several sensors.
- 9AXES IMU, Barometer, Temperature. GAIT analysis and step counting
- Internal memory to store offline data









Removing the guesswork









Markt introductie

Business development

- ✓ Market scans
- ✓ Validation
- ✓ Dissemination
- Expos / Fairs
- ✓ Market entrance strategy for the use cases





