



GE Healthcare Finland



GE Healthcare Finland

Center of Excellence for Monitoring Solutions

720 employees

27 nationalities

45% employees in R&D

26% employees in manufacturing

320 patents in healthcare technology

5th biggest investor in R&D in Finland among foreign owned companies

100k high-tech healthcare equipment exported /year

150+ export countries

Helsinki

- Patient Monitoring Center of Excellence



Hard ware



Software



Decades of deep clinical collaboration with Helsinki University Hospital

Development of monitoring measurements & anesthesia technology

Anesthesia gas monitoring
Respiration & lung mechanics
Depth of anesthesia
Surgical pain measurement
ECG & EEG analysis
End tidal control (automated anesthesia)
Machine learning for predictive multiparameter models

Monitoring equipment

Anesthesia & ICU monitors over several decades
New CARESCAPE ONE concept
Measurement modules & accessories
Wearable & wireless monitoring

Tens of studies over the years

Currently 3-5 studies ongoing per year

- Clinical data collection
- Usability & workflow of devices & software
- Clinical evidence & regulatory data

200-300 patients per year participating into the studies



Collaboration with HUS TestBed 1/2

Development tests

- New SW version of CARESCAPE Patient Monitors (12 cases)
- CARESCAPE One Transport Monitor/Module (28 cases)



4 October 2019



Collaboration with HUS TestBed 2/2

Marketing material of CARESCAPE ONE Transport Monitor/Module

- Video
- Images



Needs for clinical collaboration

Testing & clinical studies

- Data collection for R&D
- Clinical evidence collection for regulatory & marketing
- Usability studies
- Device testing & clinical validation

Voice of customer, education

- Voice of the customer
 - Improvements to current products
 - Brainstorming for new technology needs
- GE personnel education & orientation to clinical environment
 - Deep understanding of clinical workflows



