## GE Healthcare Life Sciences Core Imaging

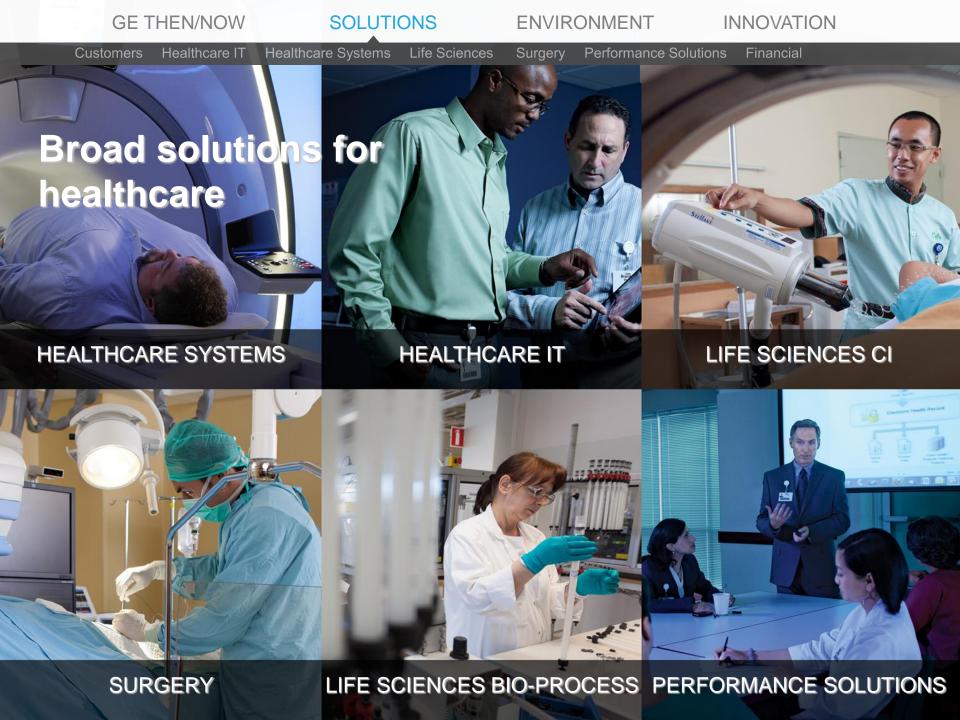
Rob Dekkers

Global Logistics and Distribution Leader GE Healthcare (Eindhoven, NL)



Freight Forwarders Forum 2016

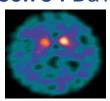
The Shipping of Short-lived Radiopharmaceuticals



## SPECT Nuclear Medicine Imaging

Parkinson's: DaTSCA Alzheimer's: Ceretec

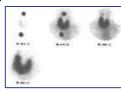




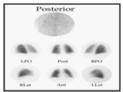


Thyroid Function: Theracap

**Heart Disease:** Myoview

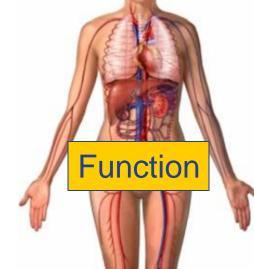


**Lung Function**: Venticoll









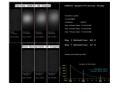
Heart Failure : AdreView



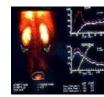
**Bone Cancer:** Medronate







**Kidney:** Chromium EDTA





## Our Distribution Challenge

- Dangerous Goods regulations
  - ICAO/IATA, ADR
- Pharmaceutical regulations
  - GMP, GDP, MHRA, FDA
  - Security Regulations
    - AEO, Known Consigner
- Speed of delivery
  - decaying products
    - 123I-prods, half-life: 13,2 hours,
  - made to order!
  - From end of mnf to patient → 24 hours
- Reliability
  - 99%+ service levels









## What do I need?

- Fast processes
  - Electronic management of docs, including DG notes
  - Short lead times
- Consistent communication
- Integration of Dangerous Goods and GDP
- A full end2end GDP compliant supply chain

