

# Making innovation work around the world

with over **1,100** employees

Turning ideas into **innovations** for Philips and selected external customers in



Healthcare > High-tech > Semiconductors >

**1,395** Customer projects



Active in **25** countries



With an NPS of **71**



## A selection of our innovation highlights

Measuring latency of IGT systems

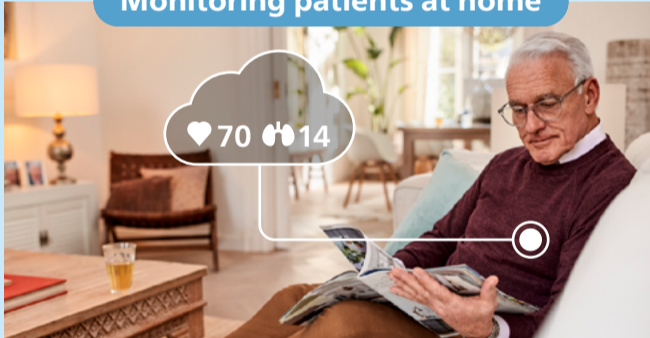


**Challenge:** the lower the latency in Image Guided Therapy systems, the better physicians can coordinate during complicated clinical procedures.

**Solution:** a tool to measure the latency between the emission of an X-ray pulse and the display on screen. Tests now only take 10 minutes, instead of 2 days; a 99.7% decrease.

*"A truly collaborative effort. We are extremely pleased with the results and have integrated the tool into our continuous quality measurements."*

Monitoring patients at home

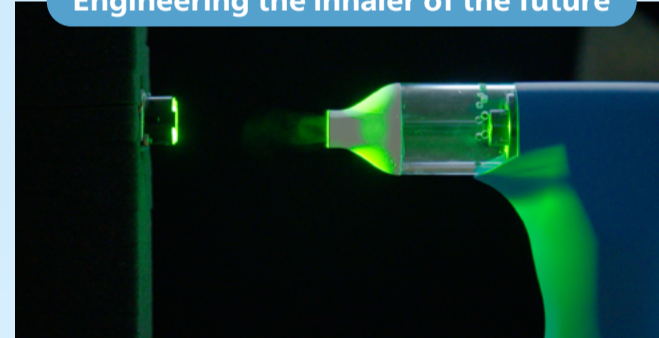


**Challenge:** when monitoring patients at home, patients can recover from surgery, while costs of care decrease. To enable this, an easy-to-use and connected biosensor, without compromising reliability, is developed.

**Solution:** supported end-to-end development, including product development, verification & validation and industrialization. The wearable is now in use on a large scale, transmitting vital signs of patients at home to a clinical information system every 5 minutes.

*"Engineering Solutions made this concept work, by supporting us end-to-end, from design to manufacturing."*

Engineering the inhaler of the future



**Challenge:** when patients use an inhaler, only 15% of drug particles reach the right parts of the lungs. Innovative 'soft mist' technology can overcome this, by dispersing droplets efficiently.

**Solution:** prototype development, including documentation necessary for legislative authorities. Identified risks and design improvements with failure mode and effects analysis.

*"Philips Engineering Solutions offered a one-stop-shop for our full development trajectory."*

## Contributing to our ambitions



**2.5** Billion lives improved per year by 2030



**100%** Carbon neutral in operations



**1 in 7** Philips employees work in R&D



**#1** In medical technology patents