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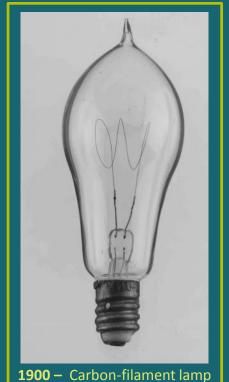
Introduction to Philips

Profound Changes in Healthcare

Need for Public-Private Partnerships

127 years of innovation: from light bulb to HealthTech











Our businesses in 2017¹



Personal Health businesses



41% of Group sales

16.7% Adjusted EBITA margin

Diagnosis & Treatment businesses



39% of Group sales

10.4% Adjusted EBITA margin

Connected Care & Health Informatics businesses



18% of Group sales

11.8% Adjusted EBITA margin

Sales of EUR 17.8 billion and Adjusted EBITA margin of 12.1%

Royal Philips in 2017



EUR 17.8 billion sales

40 comparable sales growth More than 1/4 of sales from solutions

~74,000 employees in over 100 countries

Royal Philips in 2017



billion lives improved¹ **EUR 1.76 billion**invested in R&D

62,000patent rights37,600trademarks

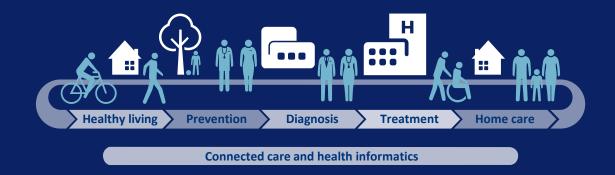
USD 11.5 billion brand value²

² As measured by Interbrand

Ready to take on the healthcare challenge



At Philips, we take a holistic view of people's health journeys, starting with healthy living and prevention, precision diagnosis and personalized treatment, through to care in the home – where the cycle to healthy living begins again.



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Four major trends are shaping the future of health technology





Global resource constraints



Aging populations and the rise of chronic illnesses



Increasing consumer engagement



Digitalization



Key Trend: the Data Explosion in Healthcare







Pattern recognition in aggregated data sets – across a population



Deep data

From anatomy to cells and molecules



Wide (longitudinal) data

Continuous monitoring over time

Al & Data Science will be a key enabler for Care Everywhere





Precision medicine and personalized treatment enabled by smart algorithms



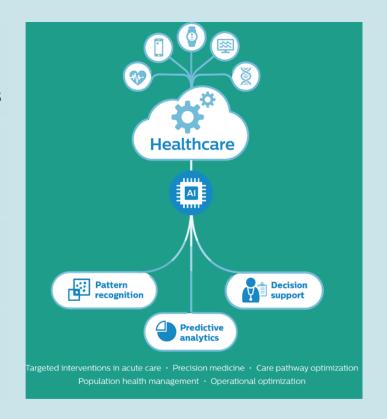
Transition to value-based care through analytics and pathway optimization



Digital Platforms for data-driven solutions across the care continuum



Networked care patient engagement & coaching via portals & apps



Discovering unmet needs and validating solutions together with clinical and technology partners







UMC Utrecht





Guy's and St Thomas'

NHS Foundation Trust











Massachusetts Institute of Technology













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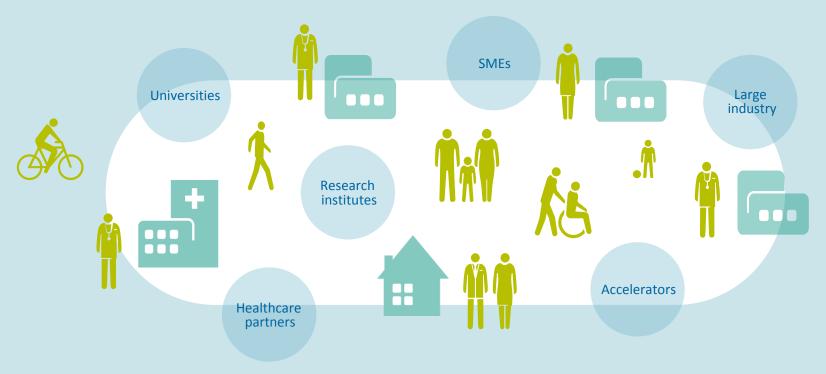
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For Philips, the future of innovation is collaboration: in ecosystems and on open platforms

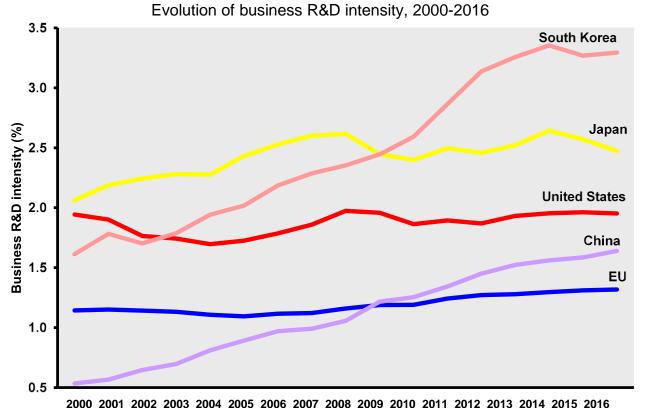


However, especially for Europe there is a challenge to stay competitive....

Europe needs a better uptake of R&I

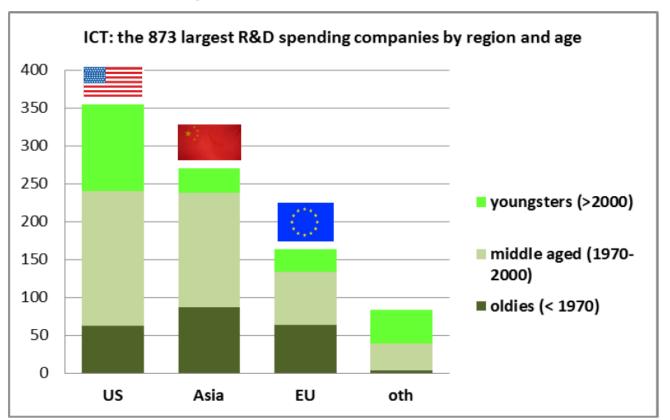
Overall, Europe is a global research powerhouse. With only seven per cent of the world's population, it is responsible for 20% of the global investment in R&D and about one third of all high-quality scientific publications. Yet, Europe faces difficulties in transforming its scientific leadership into the breakthrough and disruptive innovations that are necessary at scale to address these challenges and that create new markets and redefine whole industries. Europe suffers from insufficient uptake of R&I. We are struggling to support the creation and scale up of the new technological champions of the 21st century.

EU companies spend less on Research and Development than their competitors



Source: European Commission DG Research and Innovation. Data: Eurostat, OECD

In ICT, the EU companies are fewer and older than in US and Asia



Source: JRC-IPTS-R&D Scoreboard of the 2500 largest R&D spenders globally (2015); the year is 2013. Quoted in Veugelers, 2016

Both EU (new Horizon Europe) and EUREKA can help address this issue with the right priority setting. EUREKA has certain advantages (1)

EUREKA-Clusters	EU-Instruments
At least <u>bi</u> -national	At least <u>tri</u> -national
Flexible in the addressed thematic area (Bottom-up approach)	Clearly defined topics
Thematically relevant co-operations bi- and multi-national	European strategies, big missions
More influence of involved member countries	Consideration of all member states
Flexible configuration based on national guidelines	Complex EU-wide alignment





Both EU (new Horizon Europe) and EUREKA can help address this issue with the right priority setting. EUREKA has certain advantages (2)

EUREKA-Clusters	EU-Instruments
Active involvement & direct support of SME	SMEs are discouraged by the complexity
Detailed feedback from the evaluators => increase quality & success rates	Little to no specific feedback from the evaluators; "fire and forget"
Evaluators are typically from industry => market trends taken account	Evaluators come mainly from academia => danger of missing crucial trends
Acceptable funding opportunities => motivation to participate	Very high oversubscription
Targeted funding of strategically sound and best quality project ideas	Targeted funding is rather rare





30+ years of fruitful Philips participation in EUREKA



- Among first four companies supporting 1985 launch of EUREKA
- Probably #1 participant
- Involved in 50+ past initiatives, e.g. HDTV, DAB, JESSI, MEDEA, CATRENE
- Currently engaged in 2 ICT clusters:

– PENTA	2016-2020	micro/nano-electronics
- ITEA3	2014-2021	software-intensive

software-intensive systems & services





