

DIGITAL ARCHIVING AND INFORMATION AVAILABILITY

GOAL

Engineering processes and tool chains for cost efficient development of diagnostic imaging.

Challenge

The aim is to design and develop/elaborate technologies that support high-quality (consistent, complete, realizable) system descriptions, verification of the product properties in respect to the descriptions, validation of the descriptions and of the products.

To do so, Philips will first provide an overview on regulations that may impact tool chains and digital archiving. Next requirements for the tool chain innovations will be derived. Understand the limitations in terms of information availability and reasoning, and intended benefits from a flow capture tool.

Additionally, they will provide a differentiated portfolio of MRI scanners. To manage complexity a platform approach is used and commonality between building blocks is exploited were possible. Enhanced insight in interaction between building blocks will increase commonality in hardware components such that differentiation shifts to software optimizations.









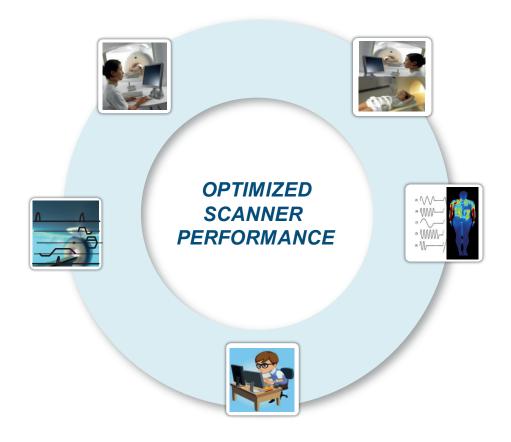
Engineering Phases



Results

Philips plans to exploit the results for increasing commonality of hardware components over the varied MRI portfolio. Differentiation will shift to different optimization points based on software settings, which leads to a significant gain in efficiency.

Further savings are targeted through automated coupling of models, which no longer require manual duplication of simulation results in to system parameters thereby optimizing scanner performance.



Partner Data

PHILIPS

Royal Philips is a diversified health and well-being company, focused on improving people's lives through meaningful innovation in the areas of Healthcare and Consumer Lifestyle. The company is a leader in cardiac care, acute care and home healthcare, as well as male shaving and grooming and oral healthcare. Headquartered in the Netherlands, Philips posted 2019 sales of EUR 19.5 billion and employs approximately 80,500 employees with sales and services in more than 100 countries.

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