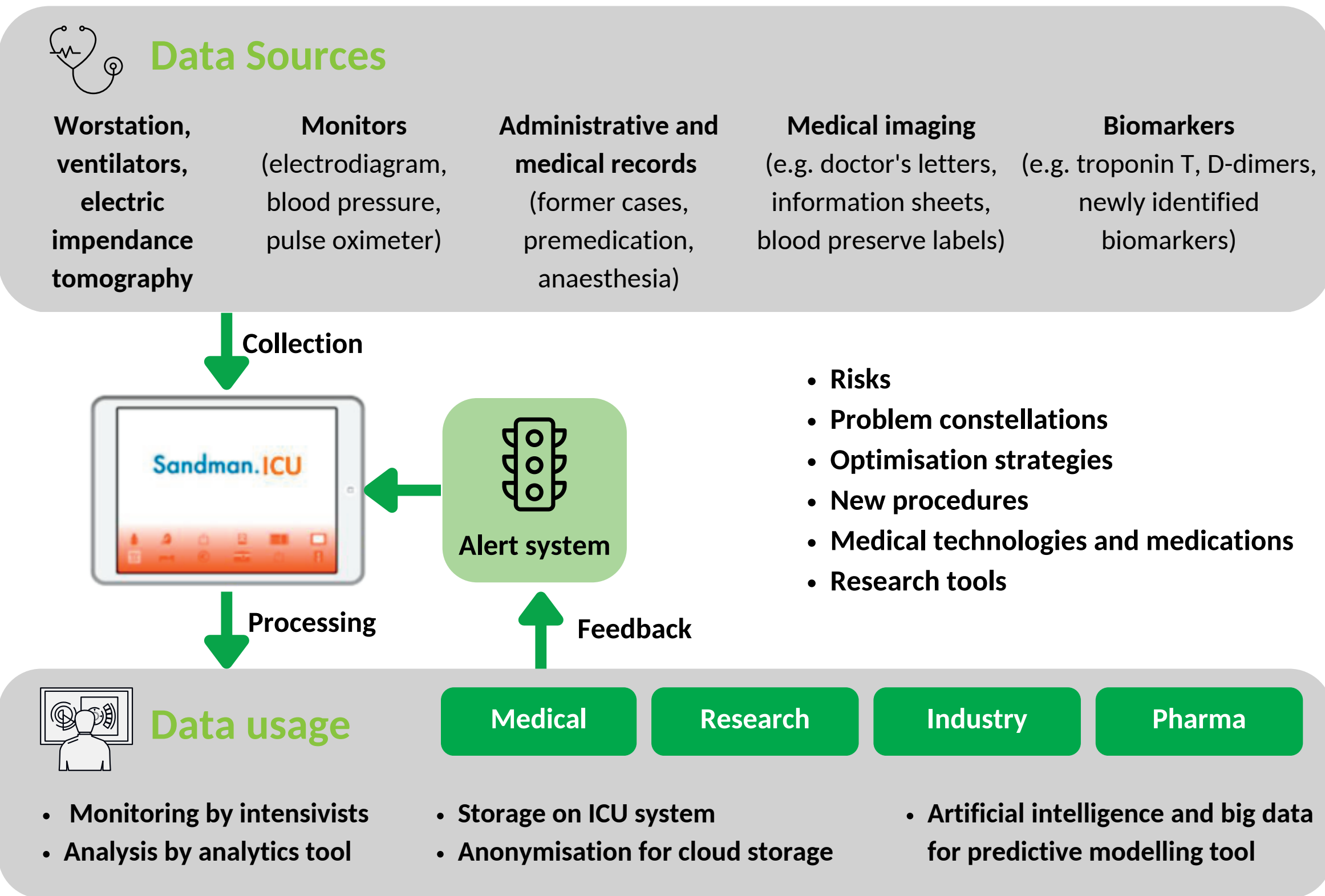


ENVISION

Intelligent plug-and-play digital tool for real-time surveillance of COVID-19 patients and smart decision-making in Intensive Care Units



KEY FACTS

DURATION
01.12.2020 - 31.07.2023

BUDGET
5,6 million euro

FUNDING PROGRAMME
This project has received funding from the European Union's Horizon 2020 research and innovation programme under grant agreement No 101015930.

COORDINATOR
Johann Wolfgang Goethe University Frankfurt am Main, Germany

Sandman.IC

Digital tool for monitoring and decision making

ENVISION aims to deliver an innovative and powerful digital tool for real-time monitoring of COVID-19 patients in Intensive Care Units (ICUs) and smart decision making. The intelligent new app will make the course of the disease more predictable and ease the burden on medical staff. Furthermore, an alert system based on big data would help intensivists to take the right decision at the right time

Multi-layer platform with integrated analytics

Versatile clinical tool for diverse applications in treatment and research

Our work will be delivered in six integrated work packages. These WPs will, often in parallel, complete tasks related to:

- research
- governance and scoping
- implementation of results
- innovation
- creation of tools
- delivery of prototypes
- piloting and market outreach

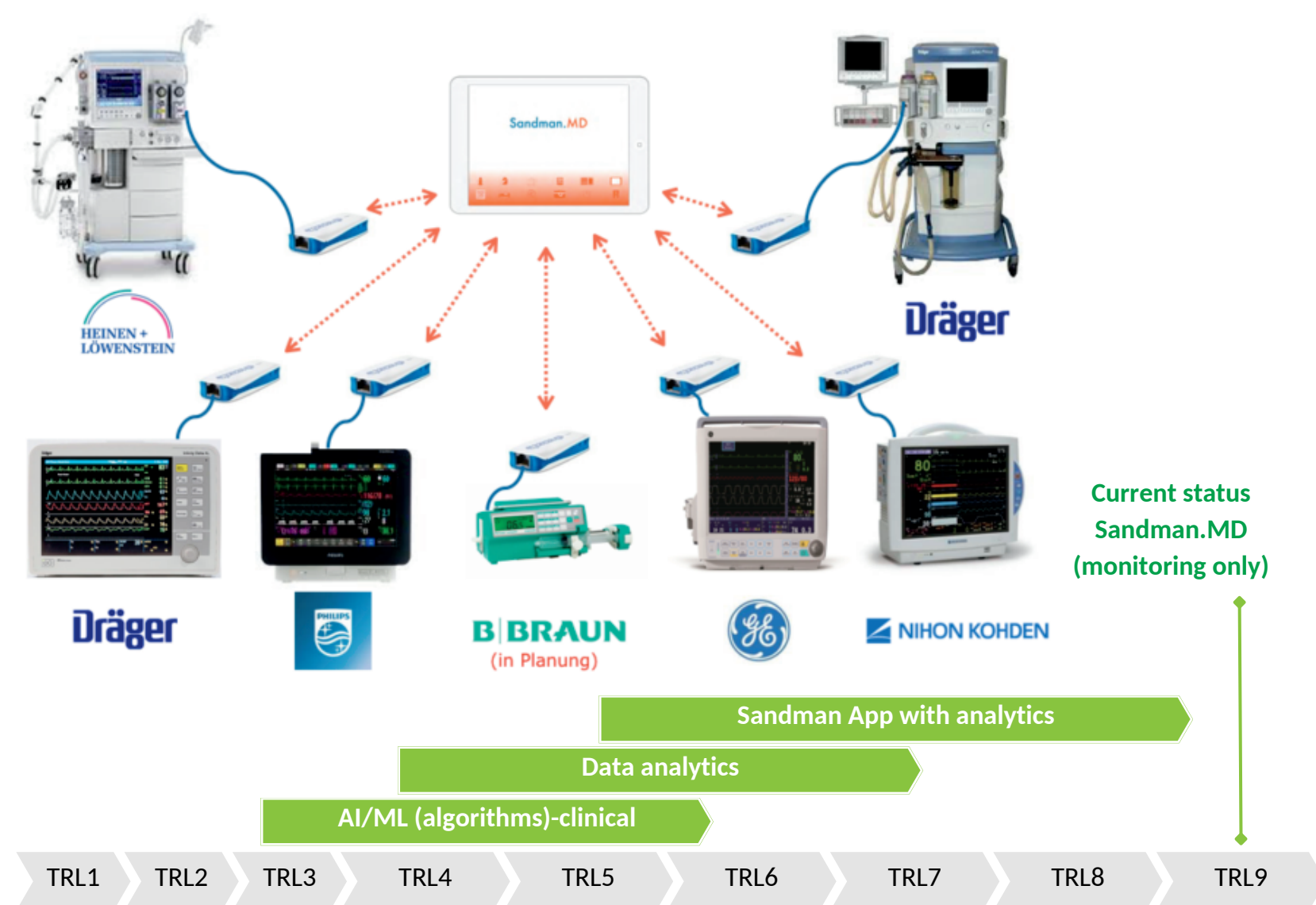
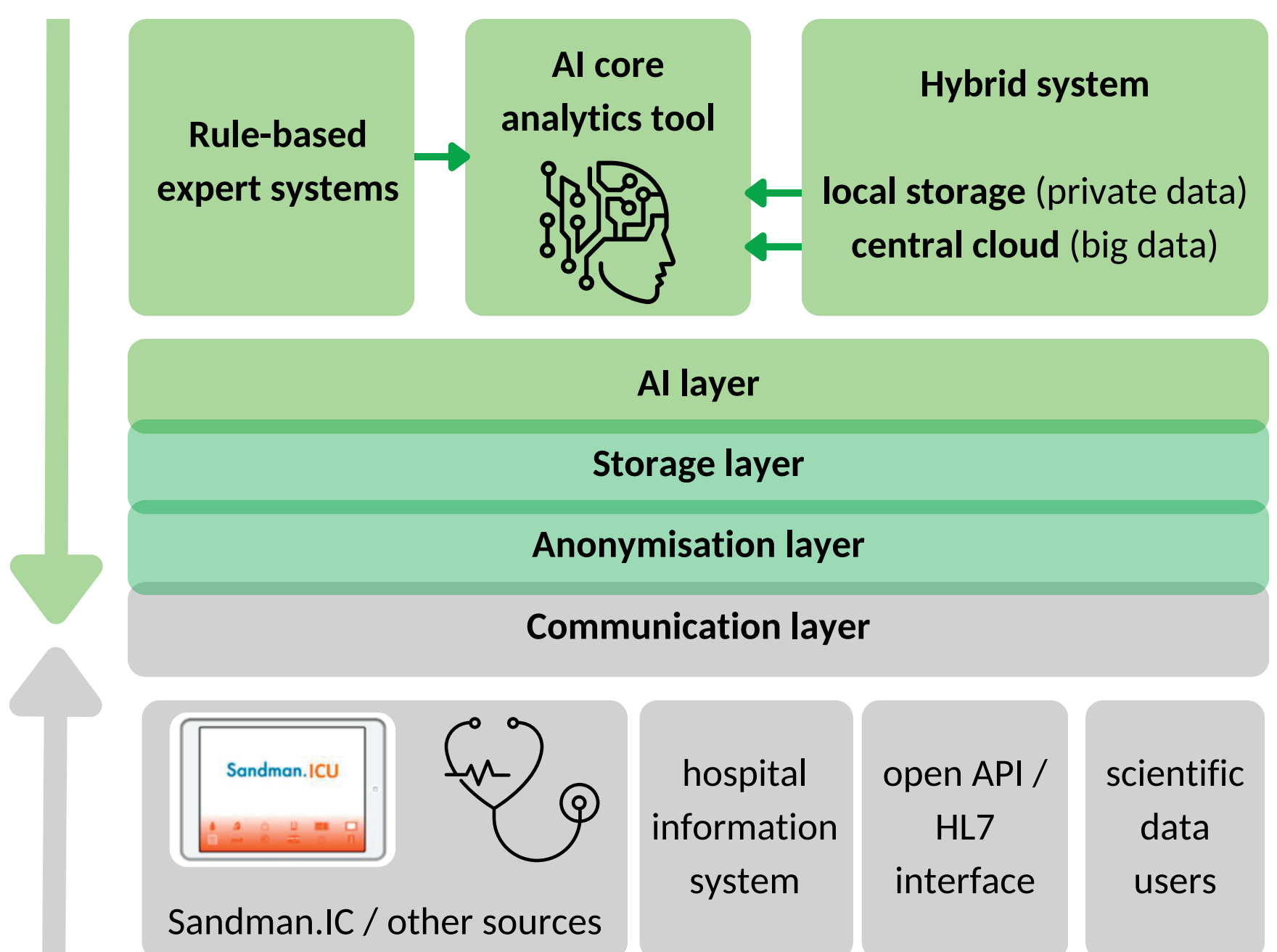
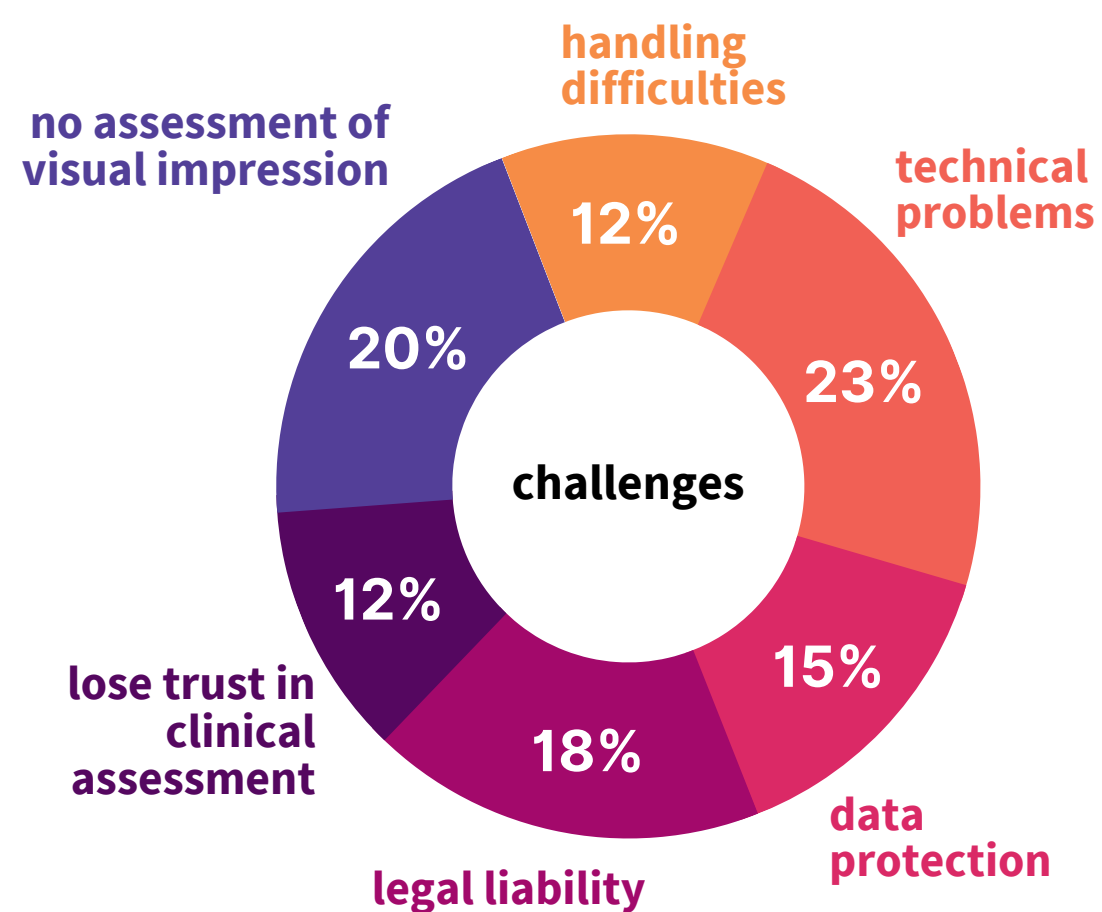
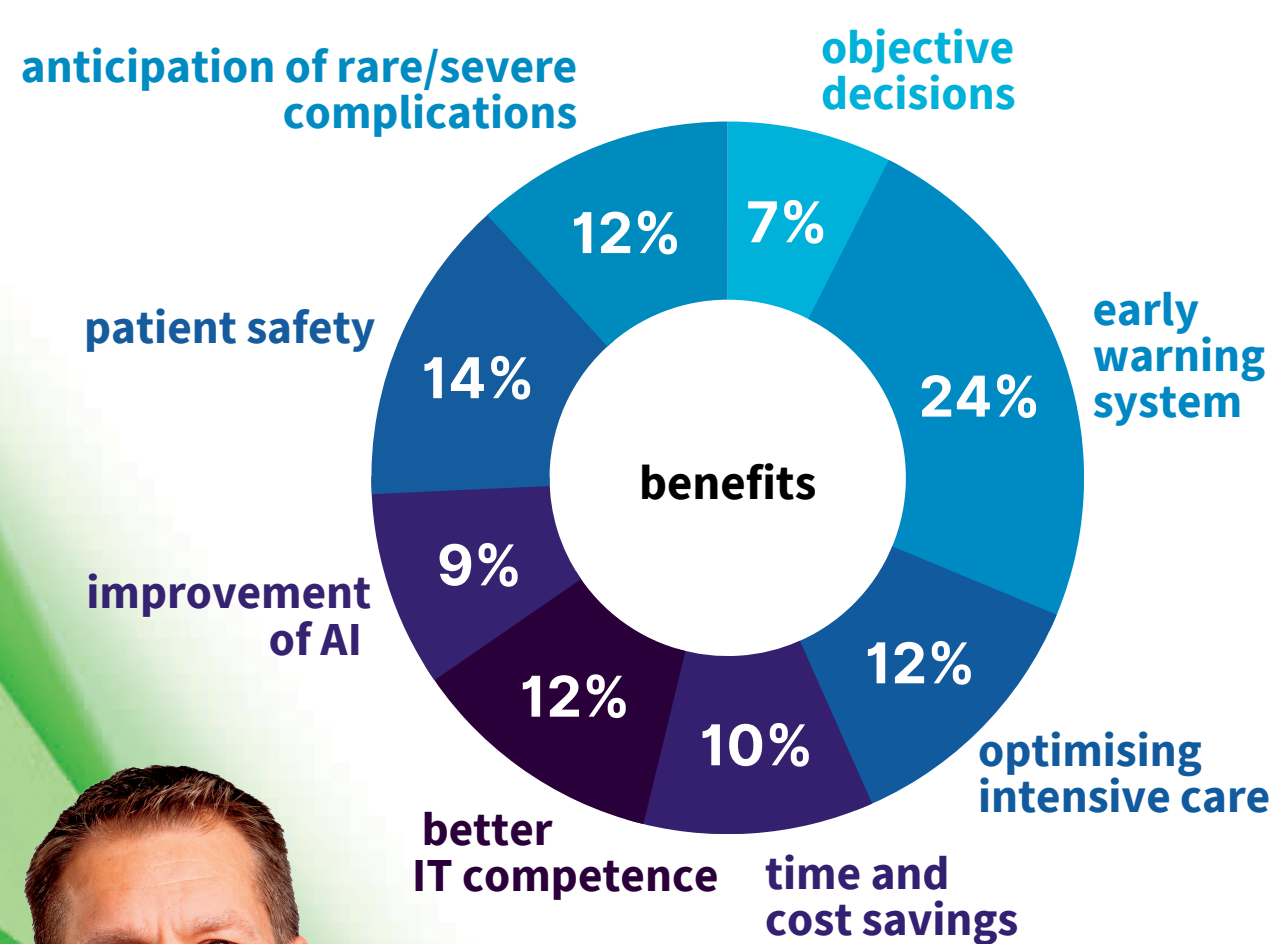
The Sandman.IC surveillance tool will be easily adaptable to the needs of other clinical departments. Its multi-layer ICT architecture with its integrated data analytics technology will be set up in a way to make it useful in other sectors and industries. The predictive models established in the ENVISION project can be trained and used for any disease and indication, thereby serving millions of patients.

Clinicians expect numerous benefits from AI systems

SPOTLIGHT - European survey on the acceptance of AI

Clinicians are open to AI applications in their professional field but their concerns must be addressed during system development, selection, and commissioning at points of care.

Our cross-sectional observational study (N = 701) revealed that clinicians rate early warning systems as most beneficial while technical difficulties are the major concern.



PROJECT COORDINATOR

Professor Kai Zacharowski, MD PhD ML FRCA, FESAIC
Ambassador & Immediate President of the European Society of Anaesthesiology & Intensive Care (ESAIC)



Views and opinions expressed are however those of the author(s) only and do not necessarily reflect those of the European Union or the European Health and Digital Executive Agency (HADEA). Neither the European Union nor the granting authority can be held responsible for them.

Project Website
www.envision-icu.eu

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