

## Health Data Standards and Interoperability

This service package offers access to technology experts with extensive experience in developing standards-based technology strategies for healthcare companies. A structured approach will help you design your solution around existing and emerging standards in health and fitness data.

This package will ensure that you leverage off-the-shelf standards-based solutions, conform to national requirements and recommendations and maximise your product interoperability with patient journals and other national and international health solutions.

**Investment:** NOK 10 625\* introduction offer expires August, 2020, after August, 2020, NOK 21 250 (value NOK 85,000, eks. VAT)

Delivered by Validé and our Norwegian Smart Care Lab in collaboration with Egde Consulting, send your request to [email](#)

# Delivered by Validé - Practicalities

- Target group: Members of Siva supported incubators and business gardens
- Preliminary work facilitated by Valide, with inputs from company and subcontractor: Identify the focus area of the workshops, identify the companies needs, set expectations, plan and pre-prepare the three steps of digital workshops that will enable you to leverage off-the-shelf standards-based solutions, conform to national requirements and recommendations and maximise your product interoperability with patient journals and other national and international health solutions.
- Governance: All participants must sign an NDA
- Investment: NOK 10 625\* introduction offer – until June 1<sup>st</sup>, 2020, after June 1<sup>st</sup>, 2020, NOK 21 250

\* The value of this package is NOK 85 000. It includes three digital workshops and preliminary work executed by Validé (Norwegian Smart Care Lab). All prices are excluding VAT



# Why Health Data Standards and Interoperability

Data standards, security and privacy requirements, and advanced health IT systems are critical to achieve full healthcare interoperability. This service package will get your company headed in the right direction with practical standards and best practices for future interoperability within healthcare IT systems.

- The benefits:
- Faster time-to-market/scale nationally and internationally;
- Supported by off-the-shelf and open source solutions;
- Compliant APIs;
- Rapid interoperability with other compliant systems and devices;
- Improved technical due-diligence for customers and investors;
- Recommended or required by international health services.



# Preparation & execution - summary

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# Step 1: Scoping Workshop

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A workshop between the company and the subcontractor to define an initial overview of the product description focusing on its data requirements and data flows for the Device or Service.

The company will be expected to share any relevant background information about their technology and market understanding prior to the workshop. Workload: 1-2 hours.

During the workshop it is expected that the company will present their product, technology and research objectives, key milestones and delivery dates that need to be met. They should also have a draft of the Product Roadmap. **Subcontractor** will facilitate a discussion on the potential standards, requirements and integration potential for a medical device or service. Workload: 3-4 hours.

**Outcome** for this step will give the Company recommendations in the final report for:

- Which technology standards the company should adopt e.g. the practical use of FHIR;
- Adoption of secure connectivity approaches;
- Coding standards needed for interoperability;
- Security standards and recommendations required in the solution.

# Step 2: Data Modelling Workshop

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This workshop is a collaboration between the Company and **subcontractor** to define the data modelling standards required.

With the output from this workshop the Company and **subcontractor** will have:

- Identified the health and supporting data resources and structures to be used in the project;
- Identified which national and international profiles should be adopted for interoperability in the prioritised markets.

This is important input for the solution developers when they come to use of the data resources and develop a standards-based implementation.

*Company input/ workload:* technical and product input to a workshop of 2 to 3 hours plus follow-up questions.

# Step 3: Architecture development

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This step consists of collaboration between the company and **subcontractor** to define an outline data services architecture for the product or service.

With the output of this step the Company will have a draft architectural design (MVP level) for a test and proof-of-concept server that is:

- A standards compliant data server based on cloud services where appropriate;
- A technical architecture description for data flow and interoperability components;
- A draft implementation guide;
- An API design that can be used by internal components and external parties to interact with the server;
- A description of the technical security framework required by the service.

**Company input:** answer questions via email and online meetings as required. Workload:

**Outcome:** will be presented to the company in a c.1 hour meeting and as a PowerPoint presentation.