

# Tieto Healthcare

Developing a hospital EHR  
using openEHR

Tom Saari, Medical Advisor  
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The Tieto logo is displayed in white lowercase letters on a blue triangular background element in the bottom right corner of the slide. The background of the entire slide is a dark, semi-transparent image of three healthcare professionals (two women and one man) in a clinical setting, looking at a tablet together.

tieto

# Tieto Healthcare

The leading healthcare IT vendor in the Nordics



## Who we are

Team of 600 professionals in Finland, Sweden, Norway, India and Poland



## What we do

We develop Lifecare solutions for healthcare in close co-operation with our customers, utilizing the best local and global partners in the industry



## Our customers

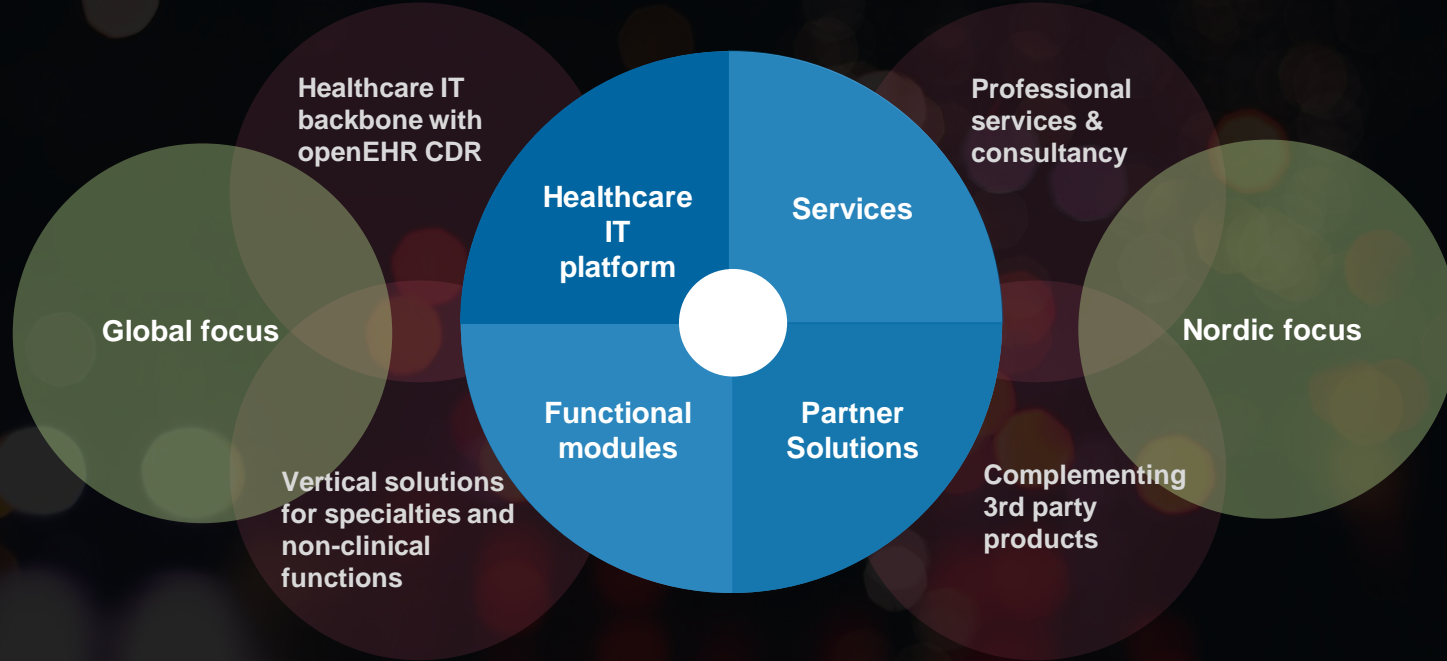
Primary, secondary, dental and private care providers in the Nordic countries

2018 THOMSON REUTERS

TOP 100  
GLOBAL TECH LEADER

# Offering

Comprehensive portfolio of modular healthcare IT solutions



# Technology Drivers



## Micro architecture

- Micro services
- Micro frontends



## Event and data driven architecture

- Alerts and notifications
- API ecosystem



## Full scale continuous delivery

- Continuous integration and test automation
- Infrastructure as a code



# Our openEHR journey

From monolithic EHR to the post-modern EHR



# Lifecare Growth Chart

Application demo

# Lifecare Growth Chart

## Rules for normal growth

**Normal change in relative stature (SD) from the age of 3 to 12 year old**

Age, year	Last 1 year	Last 3 years	Last 5 years
3	1,4		
4	1,2	1,8	
5	0,9	1,5	1,9
6	0,9	1,2	1,7
7	0,9	1,1	1,3
8	0,7	0,9	1,3
9	0,6	0,9	1,3
10	0,6	0,9	1,3
11	0,7	1	1,3
12	0,7	1,1	1,3

**Normal change in relative weight (%)**

Height, cm	50-120	130-150	160-170
-	15	20	25
+	20	25	30

**Normal change in relative weight (%) at stature of 55-150 cm**

Height, cm	Previous 5 cm of growth	Previous 5 cm of growth	Previous 20 cm of growth	Previous 20 cm of growth
55	-16	+18		
60	-14	+16		
65	-12	+14		
70	-12	+14	-26	+28
75	-12	+14	-26	+28
80	-10	+12	-26	+26
90	-10	+12	-22	+22
100	-10	+12	-18	+20
110	-10	+12	-16	+18
120	-12	+14	-16	+18
130	-14	+16	-18	+20
140	-14	+16	-20	+22
150	-14	+16	-20	+22

A photograph of three medical professionals in a modern hospital setting. A woman in blue scrubs, a man in a white lab coat, and another woman in a white lab coat are gathered around a tablet computer, looking at the screen. The background shows a bright, modern hospital interior with large windows and a grid ceiling. The word "tieto" is overlaid in large white letters on the left side of the image.

# tieto

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