



Systemet T5 kan liknas vid en universaladapter för en rad olika medicinsktekniska utrustningar, från olika tillverkare, som pratar olika språk.

## MDI/VNA (T5) Stockholm

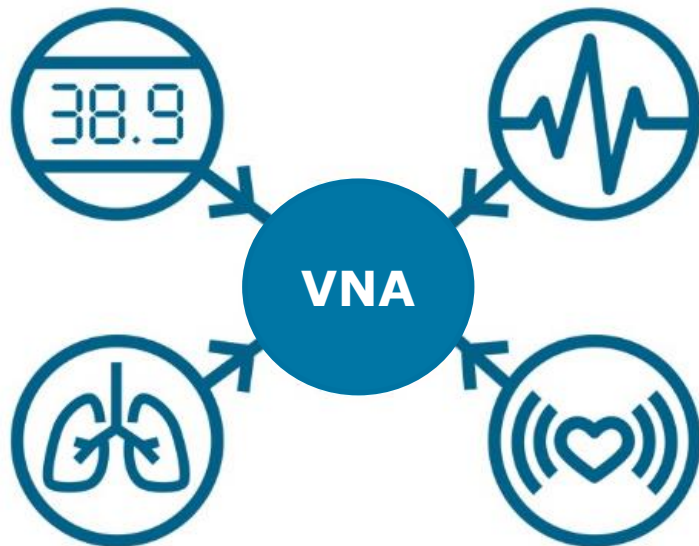
Vibeke Skaarup

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COMMERCIAL IN CONFIDENCE

**SYSTEMATIC**

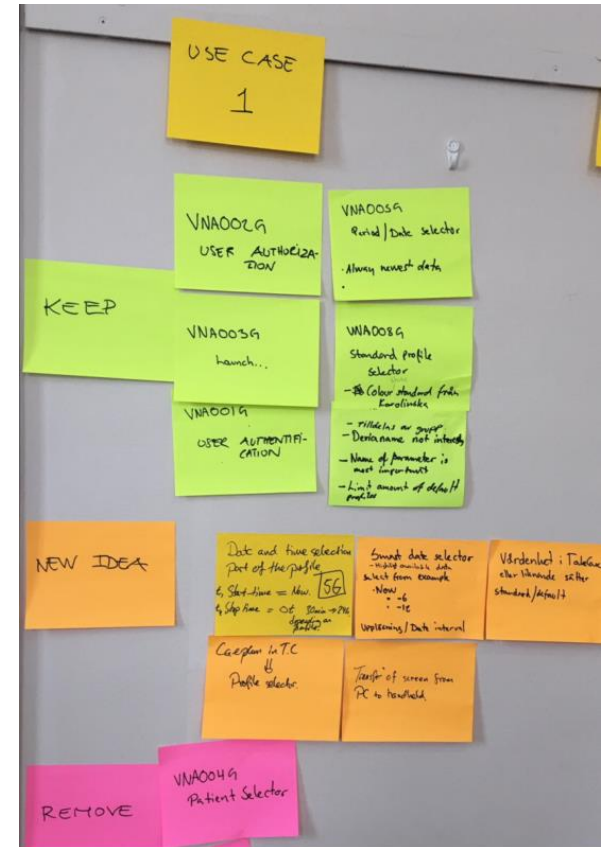
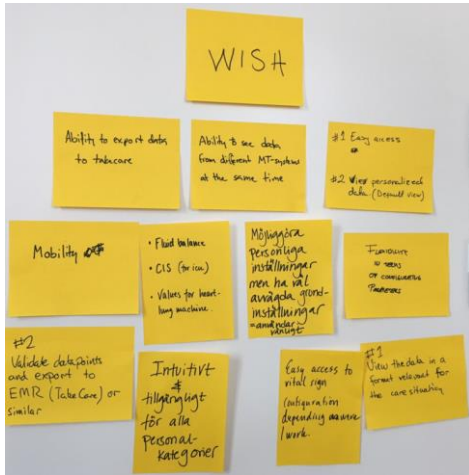
# Vision



Tilgodese Patienter, forskning, personale ved at:

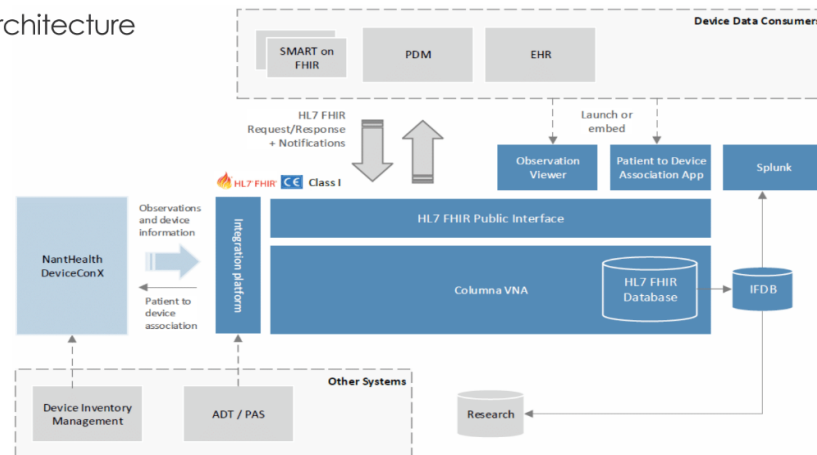
- Opsamle data i hele patientforløbet, på tværs af afdelinger og hospitaler i regionen.
- Opsamling af data skal foregå automatisk, så der skæres ned på manuelt tastearbejde og frigøres tid hos det kliniske personale
- Løsningen skal være leverandør neutral – den skal kunne fungere med forskellige leverandører, maskiner og systemer – både nu og i fremtiden
- Kvaliteten af data skal højnes til fordel for både forskning og den enkelte patient både når det gælder validitet og frekvens
- Lettere tilgang til data forskning og fremtidige løsninger – herunder ny Patientjournal

# Hvordan -Processen er vigtig! "Buy a feature"



# Hvordan - Løsningens bestanddele

## Solution Architecture Overview



- Patient to device app +MDI (Medical Device Integration)**  
 - en løsning til at scanne et device og tilknytte det til en specifik patient for derved at sende data videre til relevante systemer, herunder EMR
- VNA (Vendor Nutural Archive)**  
 En database hvor data gemmes, og hvorfra forskere samt nuværende og fremtidige systemer kan hente data (også i waveform format)
- Viewer**  
 En webløsning hvor data kan vises og valideres

# Viewer – data fremsøgning

Tolvan Tolvan, 191212121212

From \*  
12/9/2018 09:25To \*  
12/9/2018 11:25

search

Profile

## Values

 Respiratory Rate Maquet Flow-i Philips PM Heart Rate Philips PM Deltex CardioQ LiDCO Rapid Blood Pressure Philips PM Deltex CardioQ Hemoglobin Cardiac Index Body weight Height

## Blood Pressure:

## Heart Rate:

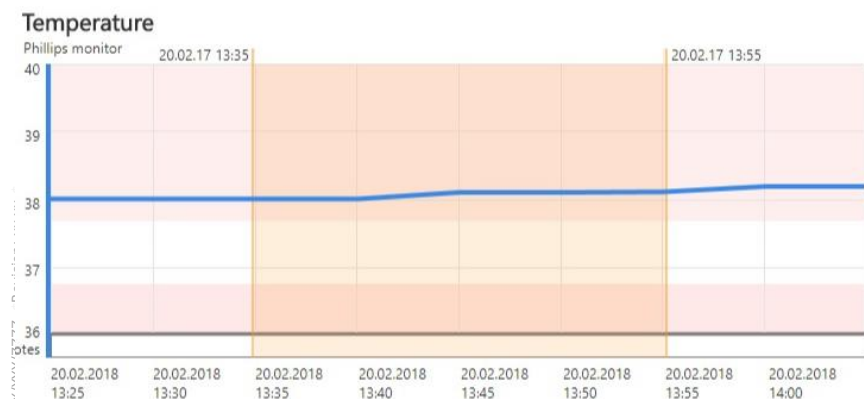
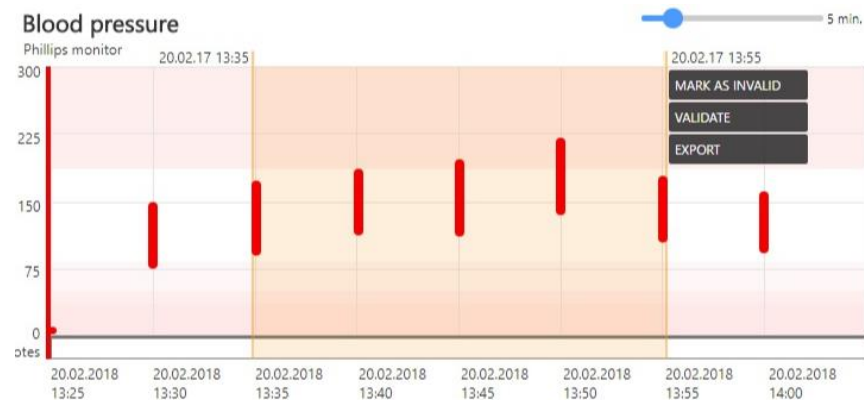
id	Code	Device	Time	Value
e05e987941f84c1887339523165f1fd3	HR	Philips PM	12/09/2018 10:35:00	
4bef589ae8394020a89e5ce78fc11b43	HR	Philips PM	12/09/2018 10:45:00	

## Respiratory Rate:

id	Code	Device	Time	Value
43e0e5560f2149acb651d58e32fb4ac9	RR	Maquet Flow-i	12/09/2018 10:15:00	17
c2130aca9c3e46fc95fa4f77af17be21	RR	Maquet Flow-i	12/09/2018 10:25:00	17
596c6d696c1947859dc645cbd2441950	RR	Maquet Flow-i	12/09/2018 10:35:00	17
a79fc73a879c442f82a3573eb5f23d86	RR	Maquet Flow-i	12/09/2018 10:45:00	17
193b4ba9fe40431b9777b81c58e2d01d	RR	Maquet Flow-i	12/09/2018 10:55:00	17
9f8dd3024149421292eff2635b920954	RR	Maquet Flow-i	12/09/2018 11:05:00	17
1ca7821d387a44d697a2fb36c31d7ee1	RR	Maquet Flow-i	12/09/2018 11:15:00	17
94fbc3032d4417189cf7c769ff77971	RR	Maquet Flow-i	12/09/2018 11:25:00	17

# Viewer - Graf

## Fremsøge og validere data



	Blood pressure, systolic (Hamilton-C1)	Blood pressure, diastolic (Hamilton-C1)	Temperature (Hamilton-C1)	Pulse (Hamilton-C1)	Note	Status
20.02.18 13:05	142 mm Hg	70 mm Hg	38,0°C	88 bpm		Preliminary
20.02.18 13:10	145 mm Hg	78 mm Hg	38,0°C	84 bpm		Preliminary
20.02.18 13:15	145mm Hg	82 mm Hg	38,0°C	85 bpm		Preliminary
20.02.18 13:20	163mm Hg	82 mm Hg	38,0°C	90 bpm		Preliminary
20.02.18 13:25	0 mm Hg	0 mm Hg	38,0°C	0 bpm		Cancelled
20.02.18 13:30	151 mm Hg	75 mm Hg	38,0°C	89 bpm		Preliminary
20.02.18 13:35	172 mm Hg	82 mm Hg	38,0°C	95 bpm		Final
20.02.18 13:40	177 mm Hg	91 mm Hg	38,0°C	98 bpm		Final
20.02.18 13:45	182 mm Hg	91 mm Hg	38,1°C	102 bpm		Final
20.02.18 13:50	211 mm Hg	138 mm Hg	38,1°C	109 bpm		Final
20.02.18 13:55	175 mm Hg	90 mm Hg	38,1°C	97 bpm		Final
20.02.18 14:00	160 mm Hg	85 mm Hg	38,2°C	92 bpm		Preliminary
20.02.18 14:05	151 mm Hg	90 mm Hg	38,2°C	91 bpm		Preliminary

# Viewer – Profile view

From \*  
12/9/2018 09:25

To \*  
12/9/2018 11:25

search

Cardiology

Lungfunction

Vital signs SLL

Maquet Flow-i

Philips PM

Heart Rate

Philips PM

Deltex CardioQ

LiDCO Rapid

Blood Pressure

Philips PM

## Blood Pressure:

## Heart Rate:

id	Code	Device	Time	Value
e05e987941f84c1887339523165f1fd3	HR	Philips PM	12/09/2018 10:35:00	
4bef589ae8394020a89e5ce78fc11b43	HR	Philips PM	12/09/2018 10:45:00	

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id	Code	Device	Time	Value
43e0e5560f2149acb651d58e32fb4ac9	RR	Maquet Flow-i	12/09/2018 10:15:00	17
c2130aca9c3e46fc95fa4f77af17be21	RR	Maquet Flow-i	12/09/2018 10:25:00	17
596c6d696c1947859dc645cbd2441950	RR	Maquet Flow-i	12/09/2018 10:35:00	17
a79fc73a879c442f82a3573eb5f23d86	RR	Maquet Flow-i	12/09/2018 10:45:00	17
193b4ba9fe40431b9777b81c58e2d01d	RR	Maquet Flow-i	12/09/2018 10:55:00	17



# Q&A