



Connex Conference 2021

Richmund Fries

VP of Technology

Relentlessly believes that cutting edge technology is the driving force for advancing humanity and is always looking to push that envelope.





DOCBOX

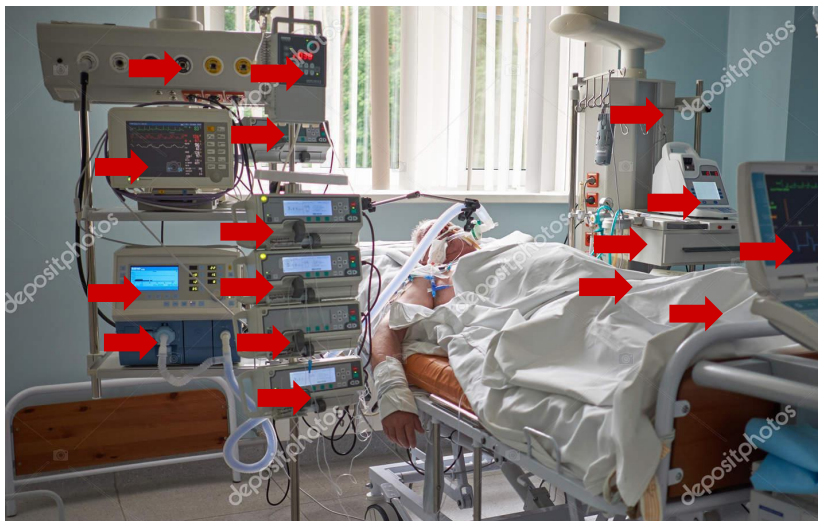
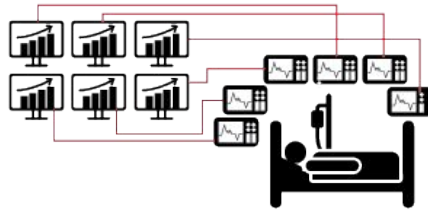
THE CLINICIAN ASSISTANT IN CRITICAL CARE

The Solution that is the ***only vendor neutral, secure medical IoT platform***, based on ***open standards***, of accurate, integrated, easy to use, ***aggregated real-time data at the bedside*** on one reliable HP Engage One Pro display for the whole ICU process

Solution to the Current State

CURRENT STATE

- ✗ Little or no integration
- ✗ Brittle and vulnerable architecture
- ✗ Data rich but unusable
- ✗ Poor analysis capability

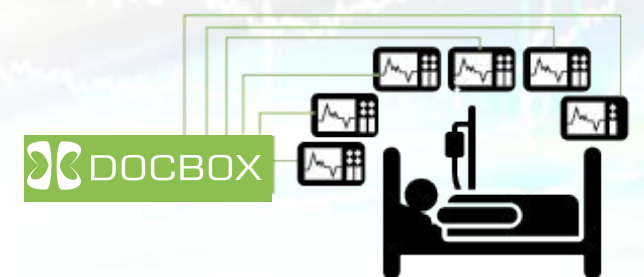
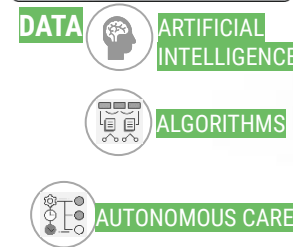


DOCBOX CLINICIAN ASSISTANT IN CRITICAL CARE

APPLICATIONS



- ✓ Devices integrated
- ✓ Secure, scalable architecture
- ✓ Data driven insights and analytics



Name

Jane Smith

MRN

6541321

DOB

30-SEP-1975



Home



PATIENT SUMMARY

Physicians: **House**Admit Date: **01-OCT-2021**Time Since Admitted: **3 days**Ht: **62 in**Wt: **150 lbs**Age: **46 years**Blood Type: **A-**Diagnosis: **Congenital Heart Disease**Procedure: **CABGx1, CABGx2**Allergies: **Peanuts, Pollen, Shellfish, Penicillin**

IO SUMMARY

Last 24 Hours (mL)

Intake =

Output =

(IV + Enteral)

UO =

Drain =

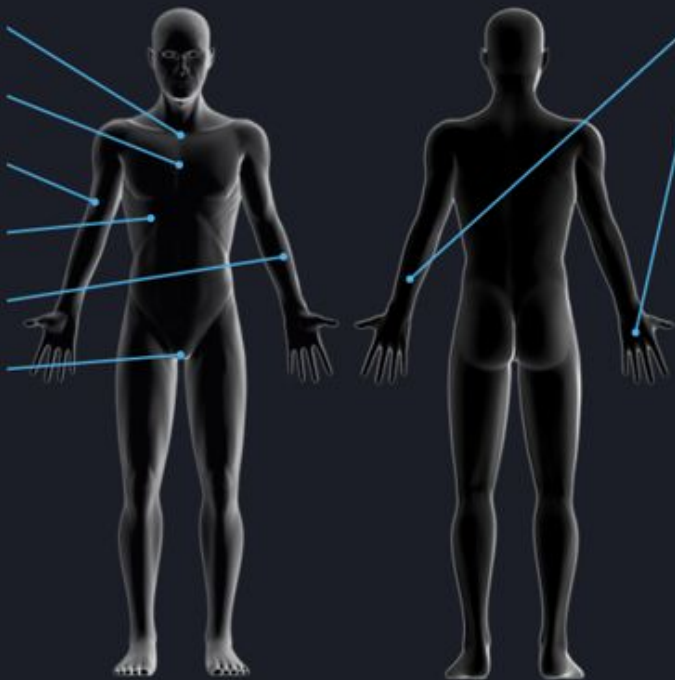
RTA =

UF =

Balance =

Cumulative Balance 0 = **+1180 mL**

LINES AND TUBES

Tracheostomy Tube
TracheaChest Tube
MediastinalPA Catheter
Right Brachial VeinChest Tube
Right PleuralArterial Catheter
Left Radial ArteryUrinary Catheter
UrethraPeripheral Venous Cath...
Left ForearmPeripheral Venous Cath...
Right Hand

TRENDS VIEW

Abp Dia:
80 mmHgAbp Mean:
95 mmHgABP Sys:
120 mmHg

Name

Jane Smith

04-OCT-2021 14:18:43

MRN
6541321DOB
30-SEP-1975

Flowsheet / Assessments / Hemodynamic



Assessments

Plan of Care

Progress Notes

Summaries

Tests & Labs

Hemodynamic

Hemodynamic Ax

Respiratory

Ventilator Settings

Infusions

Intake

Output

Lines and Tubes

Neurological Ax

Antibiotics

IABP

SpO₂

98.2 %

CVP Mean

Pulse - Pleth

60 bpm

CO

Blood Temp

ECG HR

60 bpm

CI

ABP Sys

120 mmHg

SVR

ABP Dia

79 mmHg

PVR

ABP Mean

95 mmHg

SvO₂

PA Sys

ScvO₂

PA Dia

SVV

PA Mean

NIBP Sys

120 mmHg

PCWP

NIBP Dia

83 mmHg

LAP Mean

NIBP Mean

92 mmHg

Edit Assessments

04-Oct-2021 14:18:30

Save

Name

Jane Smith

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6541321DOB
30-SEP-1975

Patient Information

Transfer Patient

Discharge Patient

DEMOGRAPHICS

Patient Type: **Adult**Sex: **Female**Race: **Unspecified**Age: **46 years**Height: **62 in**Weight: **150 lbs**

DIAGNOSIS HISTORY

Diagnosis: **Congenital heart disease**Procedure List: **CABGx1, CABGx2**Physician: **House**Blood Type: **A-**

PROBLEM LIST

Asthma**Sleep Apnea**

ALLERGIES

Allergy	Classification	Severity
Peanuts	Food	Moderate
Pollen	Environment	Mild
Shellfish	Food	Severe
Penicillin	Medication	Moderate

MEDICATIONS

Albuterol**Tylenol****Ativan****Benadryl**

ALERTS

Category	Text	Author
Procedure	Echocardiogram	Nurse A
Diet	No solids	Nurse A
Observation	Patient is restless	Nurse B

How RTI Connex Helps

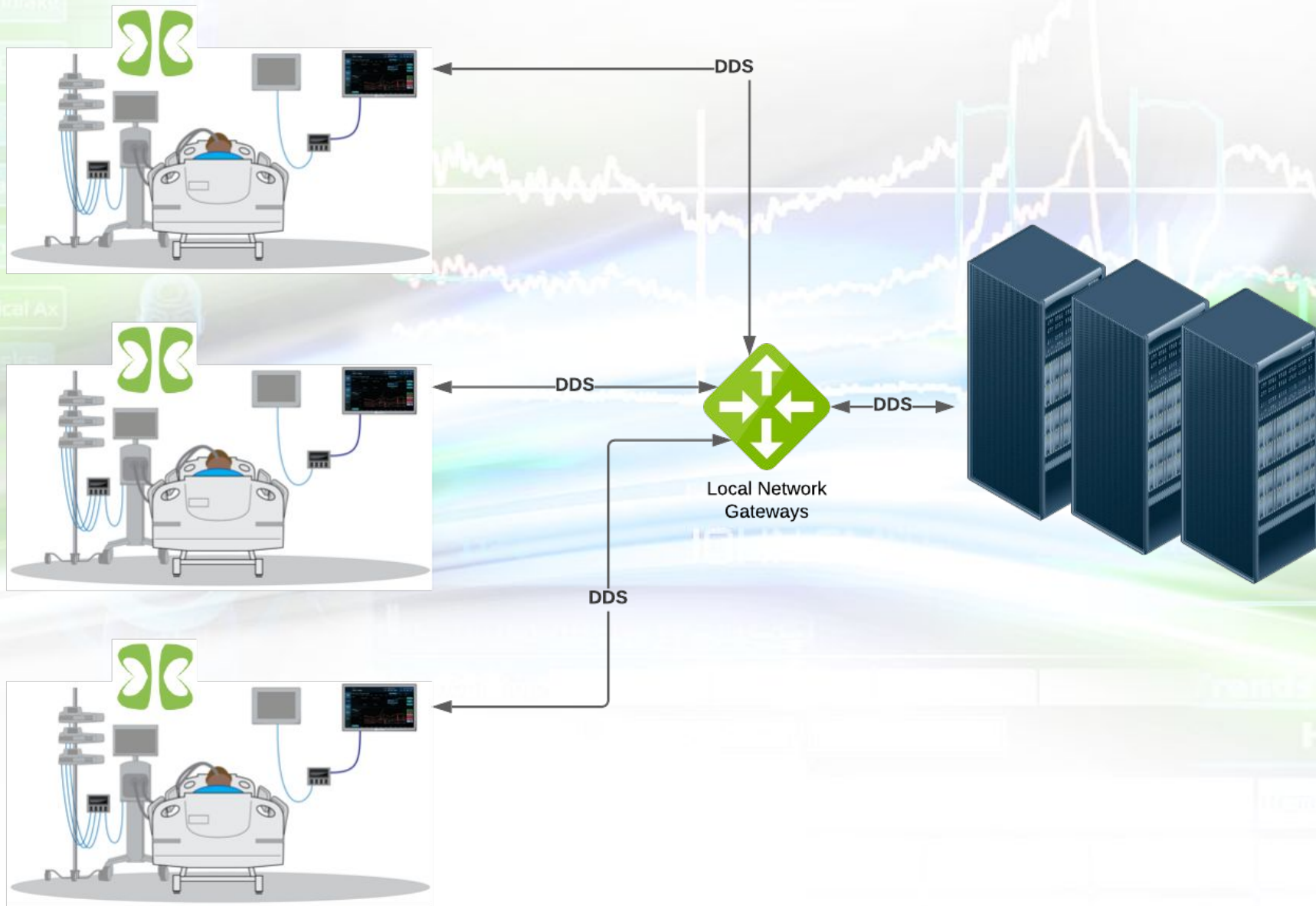
The universal growing desire and need for more reliable telemedicine and telehealth solutions has led to complications in data management, patient safety, cybersecurity, and more.

RTI Connex DDS allows us to tackle these issues -

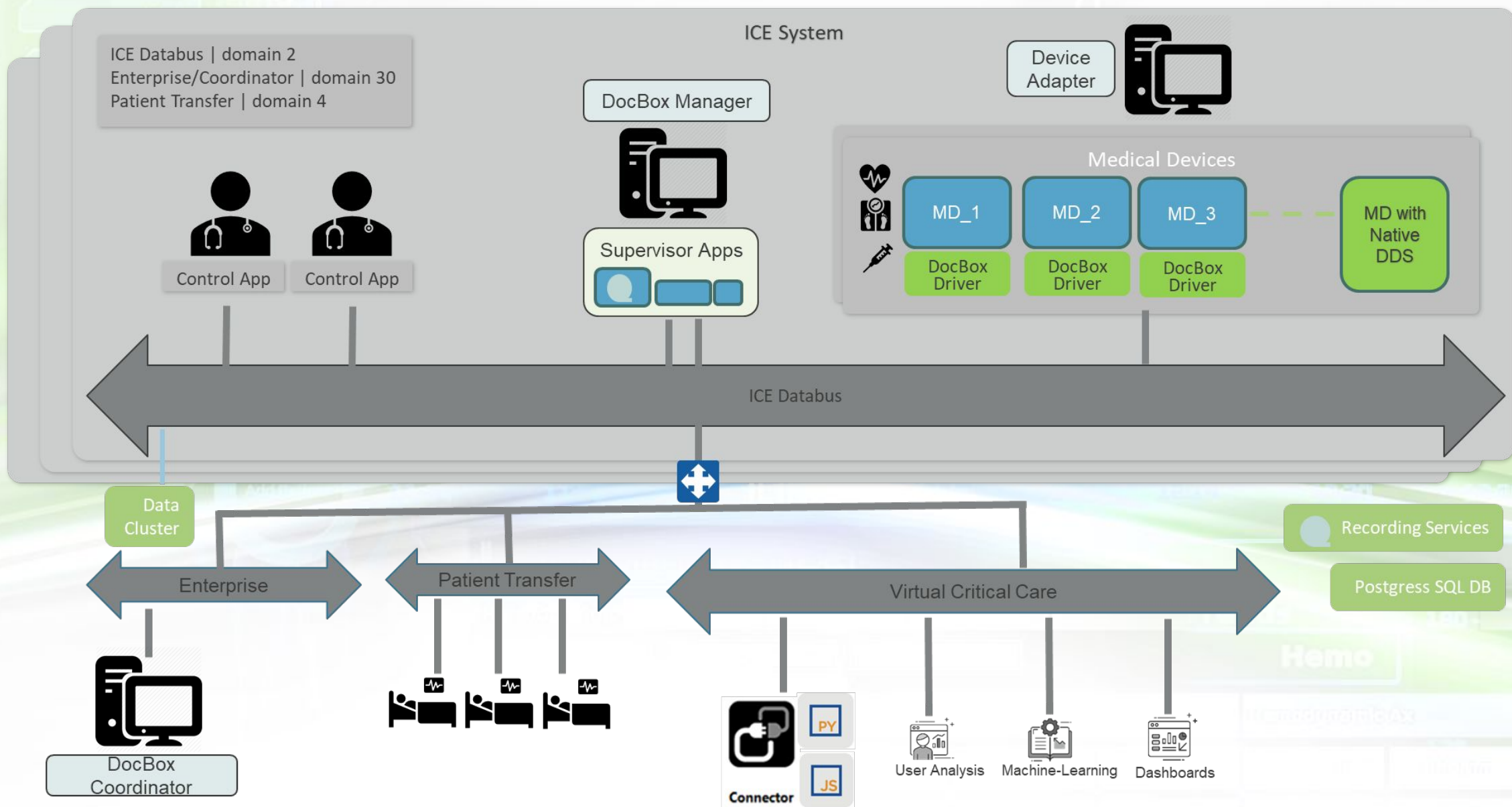
- **Connex DDS Secure covers cybersecurity**
- **QoS settings cover patient safety**
- **Connex Databus covers data management**



DDS – Physical

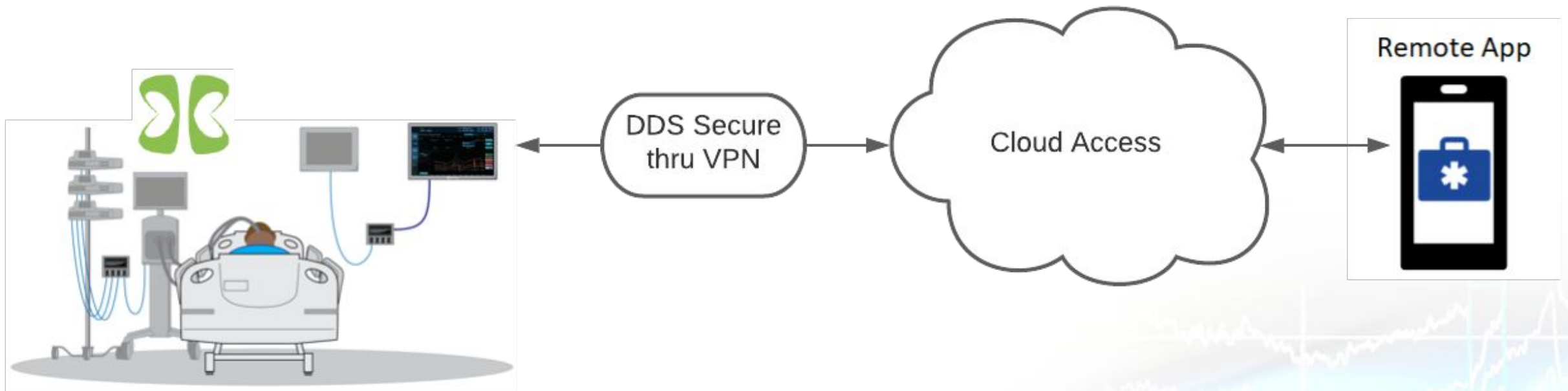


DDS – Logical



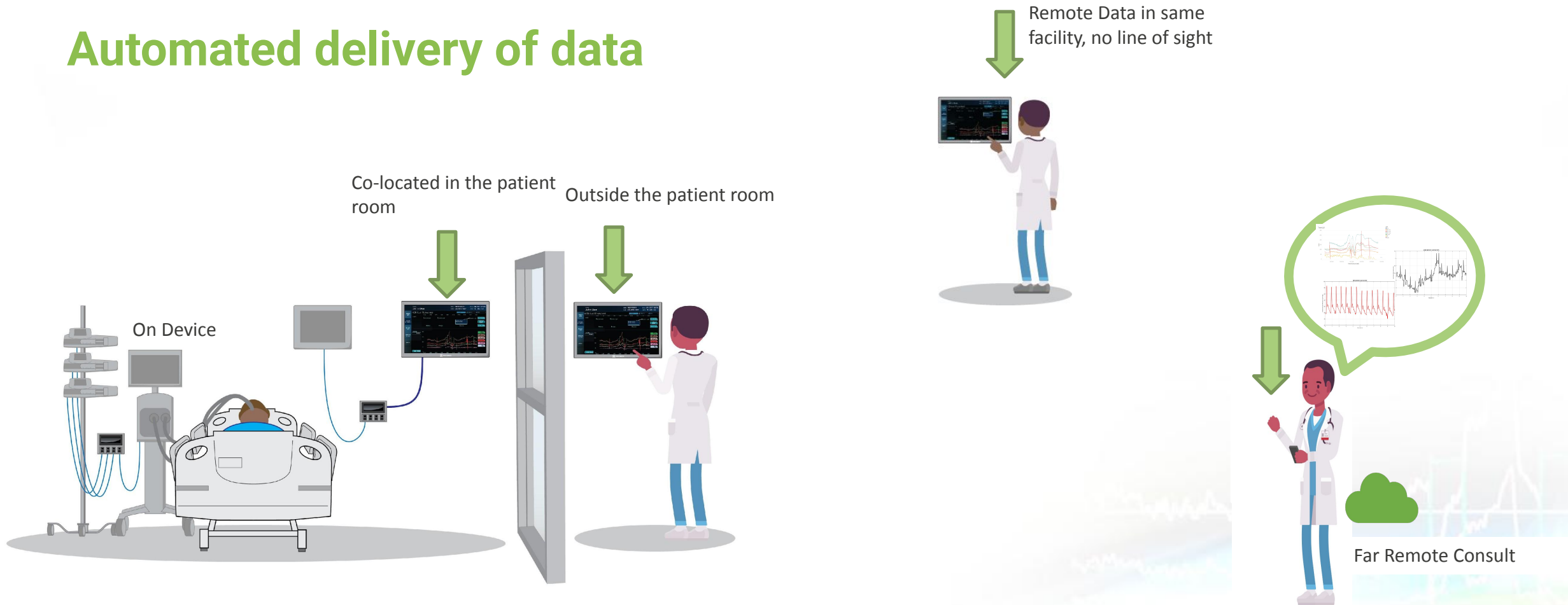
DDS - remote

QoS and Connexst Secure allows connection beyond the local network



Telehealth

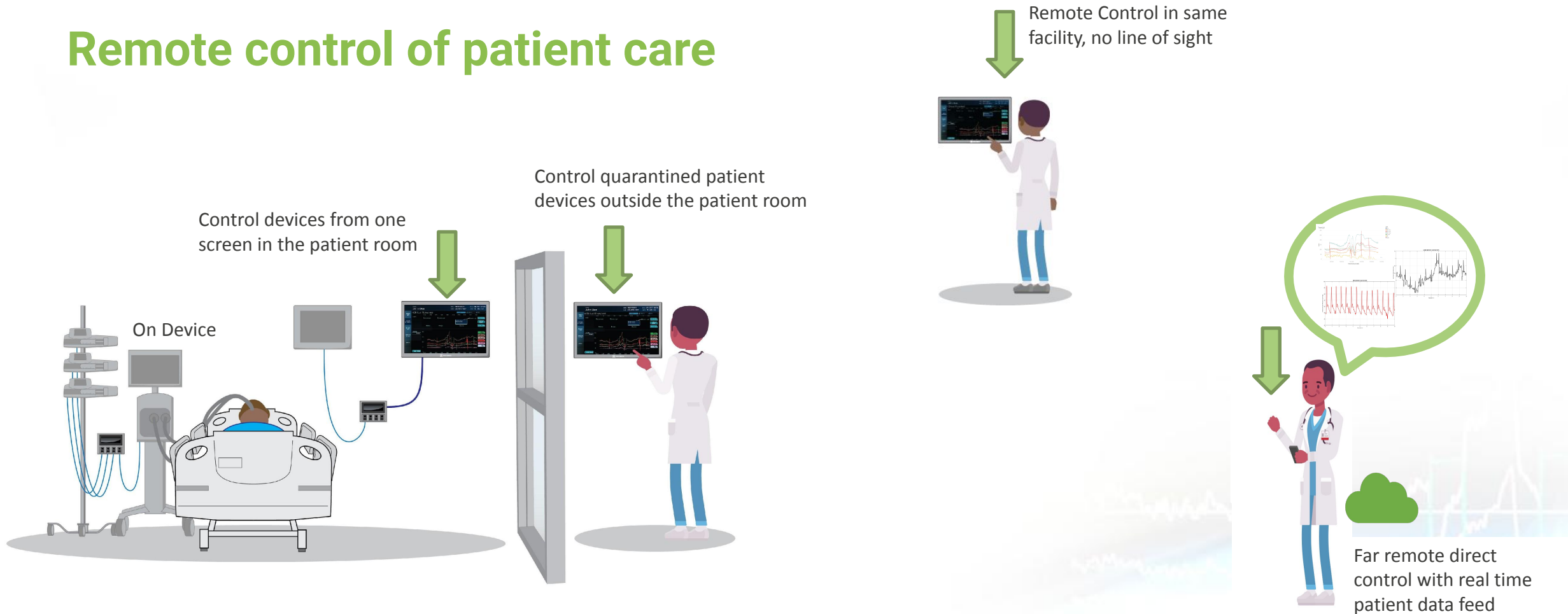
Automated delivery of data



One or more of these can be available simultaneously

Telecare

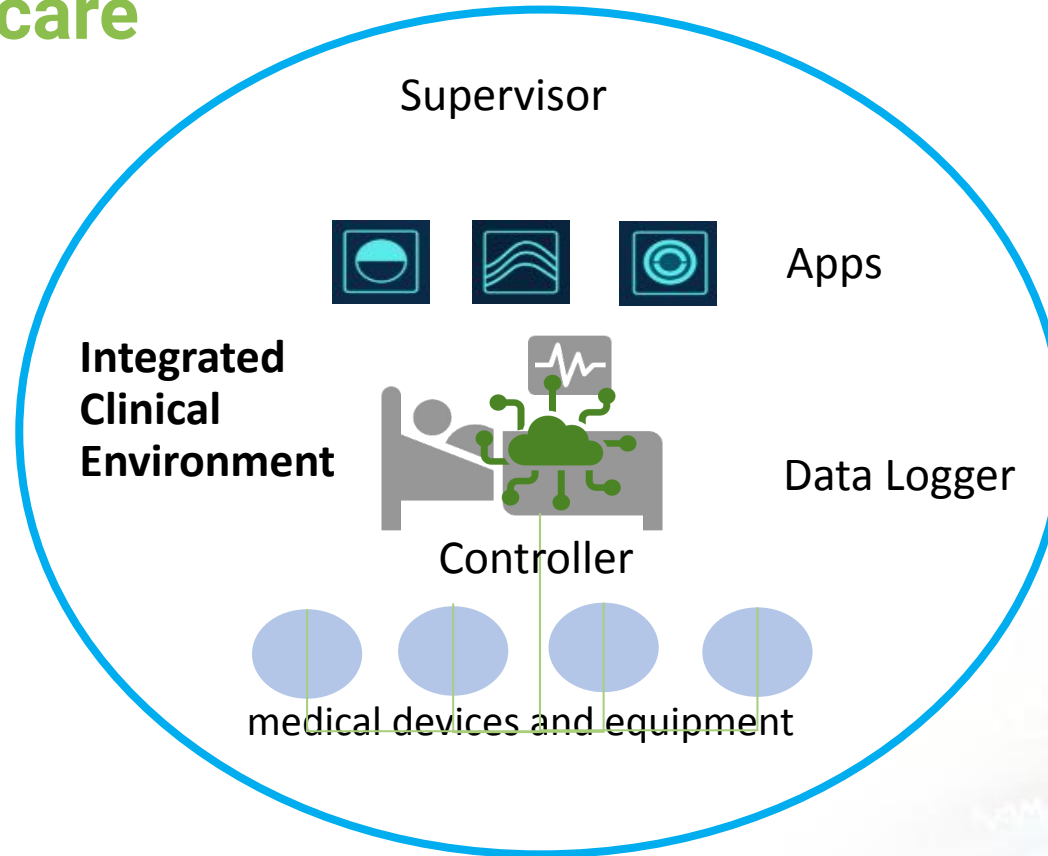
Remote control of patient care



One or more of these can be available simultaneously

Future applications

Automate patient care





Thank you

Richmund Fries

VP Technology

rfries@docboxmed.com

docboxmed.com



Telehealth in Disasters: National Emergency Tele-Critical Care Network TLA, DIACC, CPAM, DART, JHU-APL

