





Unified Wireless Network for Patient Monitoring

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Introduction

- Dräger Medical is one of the world's leading manufacturers of medical equipment.
- Offices in over 190 countries
- Medical devices focused on the Acute Point of Care

Draeger Medical Core Business: Solutions for the Acute Point of Care (APOC)



Emergency Care

- Ventilation
- Monitoring
- Neonatal

Perioperative Care

- Anesthesia
- Monitoring
- Transport IT Systems

Critical Care

- Ventilation
- Monitoring
- IT Systems
- ICU Equipment

Perinatal Care

- Ventilation
- Warming therapy
- IT Systems
- NICU Equipment
- Monitoring

Home Care

- Oxygen Therapy
- Sleep Therapy
- Ventilation
- Monitoring

Dräger medical A Dräger and Siemens Company

First What is the case for wireless patient monitoring

Two Unique Features

Infinity Patient Monitoring

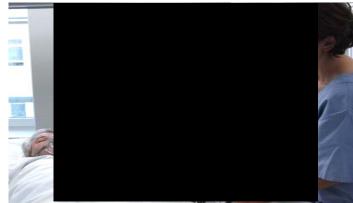
Healthcare Solution Value Proposition

Pick and Go™

One monitor switches from bedside to patient transport...

- Saves clinician time; No Admit/Discharge
- Enables continuity of patient data
- Uncompromised parameters during transport; Full Disclosure

...on a Cisco Unified Wireless Infrastructure

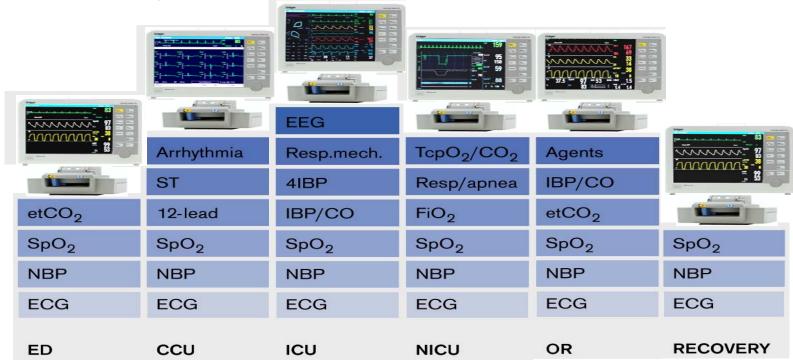






Infinity - A Truly Flexible System

One platform scalability...



...provides standardization without compromise



Healthcare Solution Value Proposition

- Pick & Go One monitor
 switches from bedside to
 patient transport using Cisco
 Unified Wireless Infrastructure
- 2. One monitor automatically adapts to the needs of any department connected to the hospital network





Healthcare Solution Value Proposition: Infinity TeleSmart*

First Wearable patient monitor with Wi-Fi





*Infinity® TeleSmart requires 510(k) review and is not yet commercially available in the U.S.

Allows a hospital to deploy telemetry services throughout the entire facility

Allows Dräger to develop a telemetry system for the global market

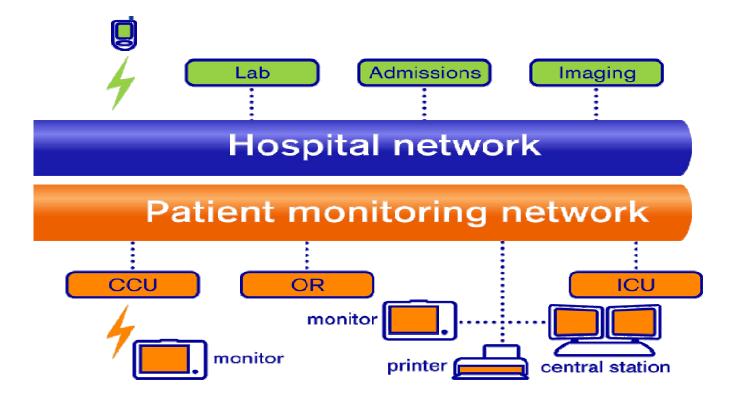
...on a Cisco Unified Wireless Infrastructure



The Question

How to improve patient monitoring in the Enterprise Network

Traditional Network Topology Isolated overlapping infrastructure



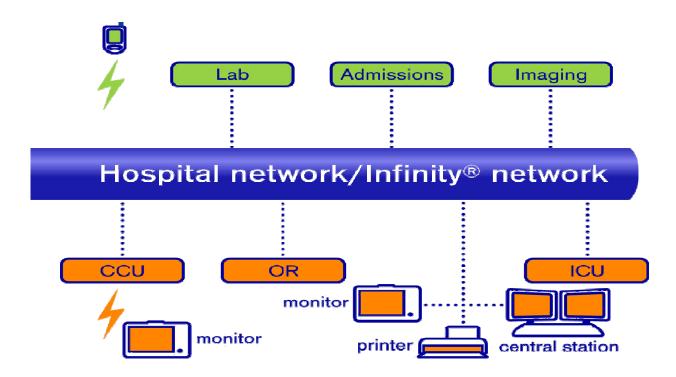


Wireless Functionality

Traditionally Wireless Monitoring area and Wi-Fi (802.11b/g) data area cannot overlap



Infinity OneNet



The only way to effectively use Wi-Fi in the Enterprise

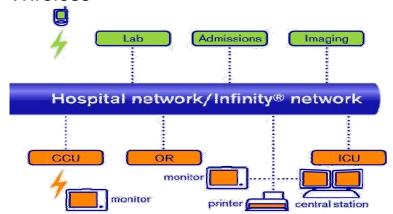


Customer Challenges

- No leverage of strategic investments in technology and infrastructure
- Separate service and support plans
- Non-compatible conflicting wireless deployments

Customer Benefits from OneNet

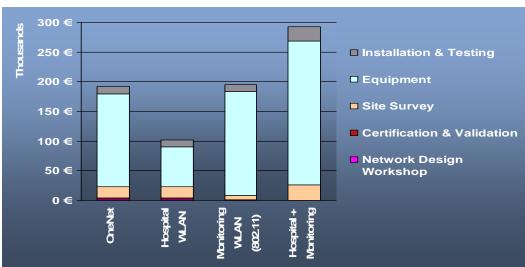
- Reduces total cost of ownership
- Allows for easy expansion of monitoring network
- Allows for both Hospital and Monitoring Wireless



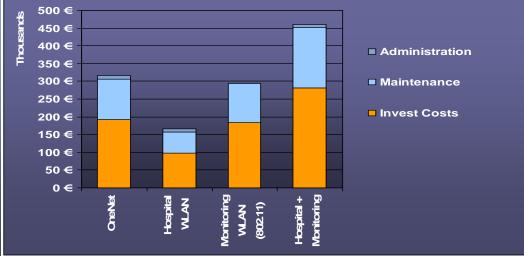


Customer Challenges and the OneNet Return on Investment

Lower cost of installation and ownership maintenance



5 Year TCO







OneNet[™] Case Study- CHEO

Children's Hospital of Eastern Ontario – Ottawa CAN





OneNet[™] Case Study- CHEO

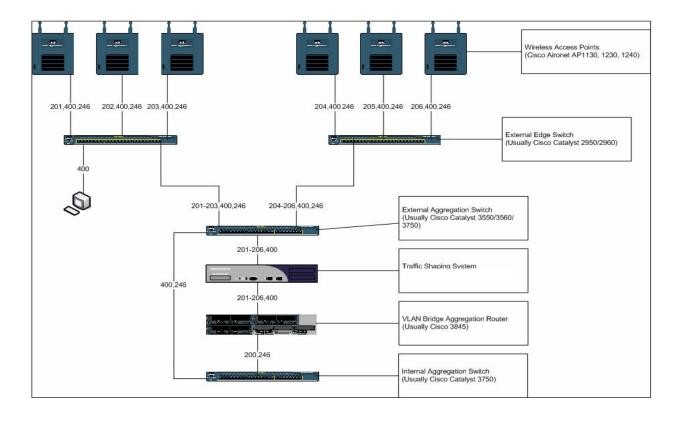
Children's Hospital of Eastern Ontario – Ottawa CAN

- Based on planning discussions with Draeger, the following requirements were outlined to Anyware:
 - Verify wireless coverage areas;
 - Validate all wired and wireless network devices for OneNet[™] support;
 - 3. Implement the necessary configuration changes on all wired and wireless network devices for OneNet[™] services;
 - 4. Validate proper OneNet[™] operation of the network.



Anyware/Draeger OneNet™ Process

- Discovery Consultation
- Physical Survey
 Hear me now
 Building Materials
 Attenuation
- Predictive Modeling Wireless Valley WCS
- Network Design VLANs Mobility Groups
- Report Deliverable
 RF Heat Map
 Channel Plan
 Radio Output Power
 Network Configuration

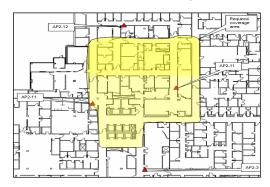


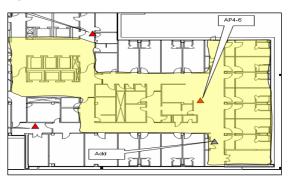
Implementation

Inctallation

Once the existing APs were identified the following changes were made:

- Addition of APs on floors 3 and 4,
- IOS software was changed to 12.3.8-JEA on all APs,
- AP2-3 was moved around the corner of the sub shop to better propagate the signals down the hallway,
- Configuration of APs was changed on selected OneNet[™] APs to reflect appropriate VLANs.
- Installation and configuration of traffic management device for certified OneNet™ operation.
- Installation and configuration of bridging router for certified OneNet™ operation.







Conclusion: Why OneNet

- + Increased Clinical Functionality
- + Increased Reliability: Cisco Unified Wireless Infrastructure
- + Increased Return on Investment



Conclusion

- + www.draeger.com
- + 1-800-4Draeger

1-303-771-0588

www.anywarewireless.com







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