IIIII CISCO

Smart Hospital Blueprint Supporting the hospital of the future

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Healthcare Trends

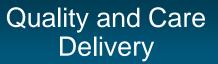
Rising Care Costs

- Staffing shortages
- Ecosystem interoperability
- Lack of proper IT support
- Inefficient processes in the hospital



Access to care

- Specialists and GPs distribution
- Underserved areas
- Lack of Interoperability
- Mobility not well supported



- Patient expect higher quality
- Growing patient consumerism
- Lack of standard tools and single patient view
- Missing Decision support at point of care



Hospital Systems Providing proper network support

CLINICAL SYSTEMS

EMR

Patient registration Physician Order system Patient Tracking and Monitoring Emergency e-monitoring Caregiver search RIS PACS Telemedicine/ Tele Care Robotic Surgery Online operating room Lab management system Pharmacy Management system Excellence center Ambulance management IHE middleware

> BEDSIDE SERVICES Patient portal Internet access Digital Signage

STAFF EFFICIENCY

Hospital Portals & Learning Systems Communication & Collaboration Video Conference and Telephony Workflow Management

INTELLIGENT BUILDING

Video Surveillance Intelligent System Access management

BACK OFFICE & HOSPITAL EFFICIENCY Device Tracking. Paying system E-procurement Contact Center External portal

Bedside terminal is connected

For the Patient...



Easy to use touchscreen



Digial video on-demand



Enhanced care experience



For Doctor...



Test Ordering & Results Display



Electronic Patient Records



Drug & Patient Barcoding ID



Vital Signs Data Entry Screen

For Administration

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Compact & State of the Art



Reduce Clinical Risk



Enhance HIS Intelligence

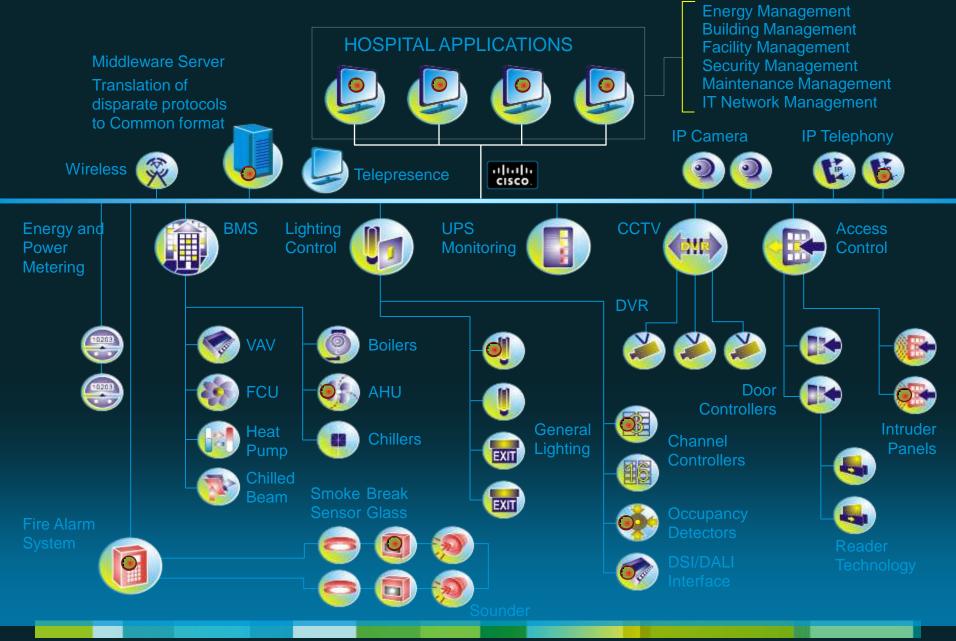


Rapid Return on Investment

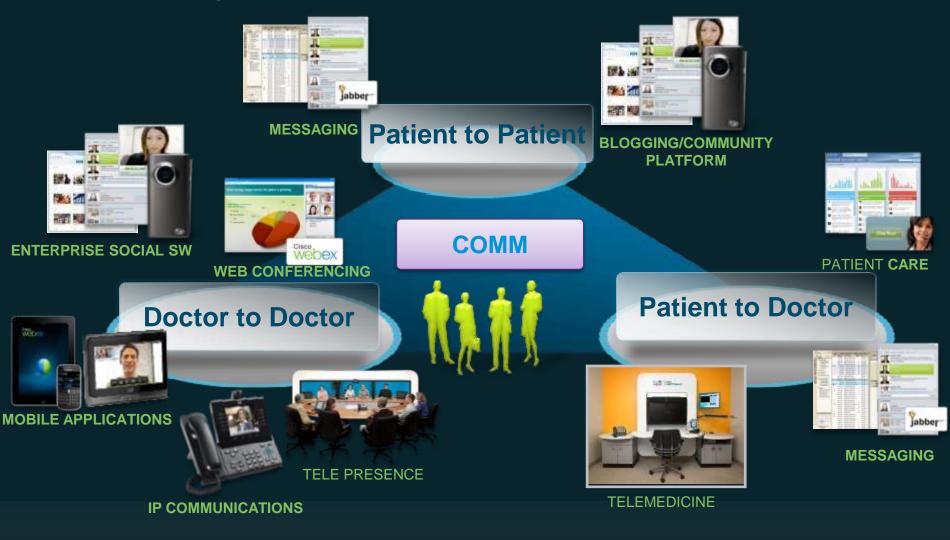
"Intelligent Buildings": a new approach



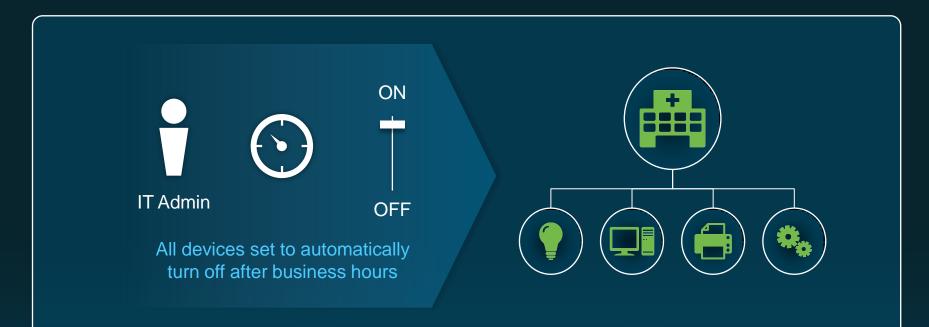
Converged Building Solution



Powering Collaboration in Healthcare



Network Service: EnergyWise Optimize Energy Usage of hospital, Clinics, Devices



Solution Description

- Visibility and Control for PoE and PC Devices
- Open SDK/API to Third Party Devices
- Network Building Controller and Building Management Systems

Features/Benefits

- Low Energy Cost
- Increased sustainability
- Comply with regulatory directives
- Reduce GhG emissions

Product/Technology

- Integration Schneider Electric
- Cisco Catalyst switches and Cisco ISR G2

Context Aware Healthcare Solution Providing Functionality from Distinct Feature Sets

Location Services

Enabling tracking and alerting for hospital based equipment, employees, or admitted patients

Connected Mobile

Experiences Providing unprecedented user engagement as well as analytics





Indoor GPS and Directions Location Based Messaging **Clinical System Integration Advanced Analytics** Automatic Wireless On-Boarding

Integrated Wireless Security (WIPS)

Real Time Location Services (RTLS)

Increased Accuracy	 Create an AP Perimeter which facilitates greater accuracy Use of chokepoints provides electronic "gates" to track assets Improved Location Algorithms available on the Cisco MSE 3300 	918 Helizatori Purre A 13-1 Dell'Inverte A 10-1 Dell'Inverte A 10-
Design 802.11 Network for RTLS	 Wireless Networks supporting RTLS require specifically placed APs to optimize location tracking RF Fingerprinting based systems improves accuracy for RSSI (Receive Signal Strength Indicator) based systems 	



Wi-Fi-based Hospital-wide Visibility Applications



Existing Wi-Fi Network

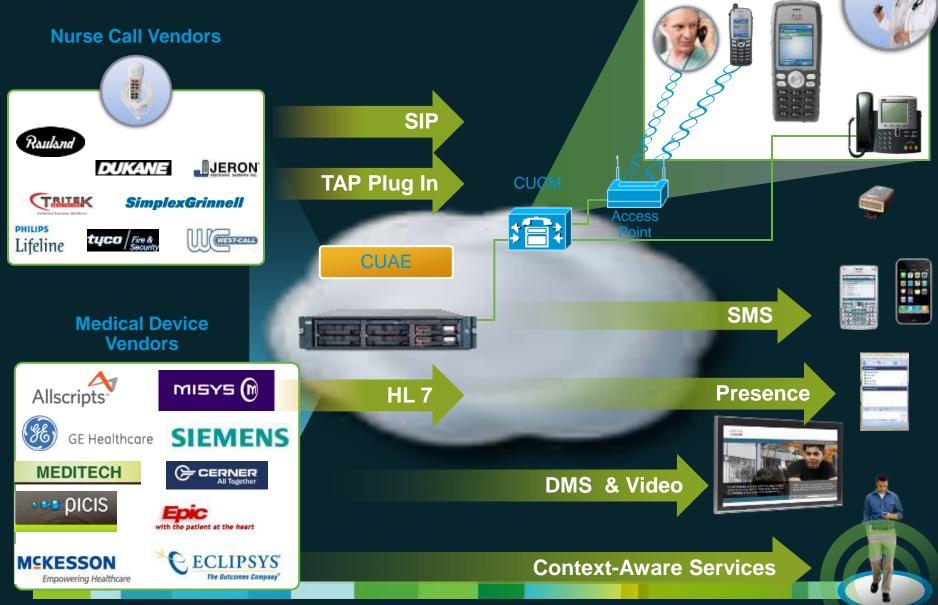








Cisco as the Platform for system-tohuman workflow



Thank You

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