



04/2019

SYSTEVO MOBILE

A RELIABLE SOLUTION FOR EFFICIENT CARE WORKFLOWS

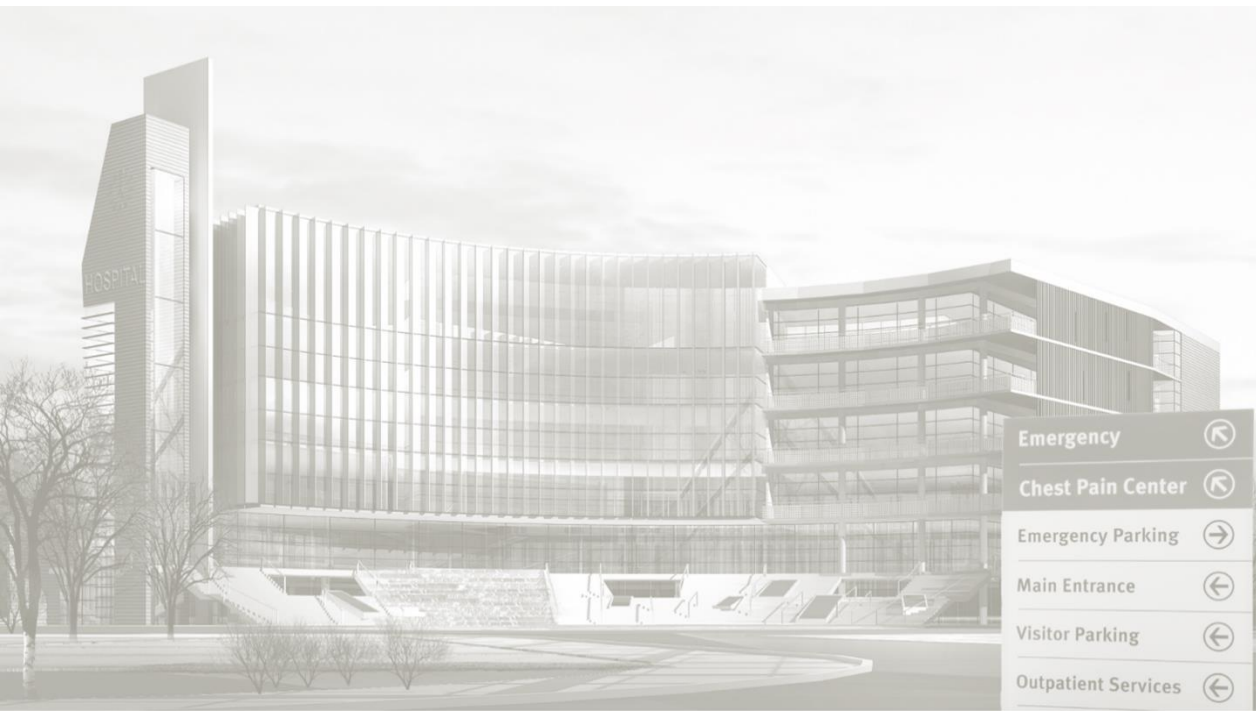
Honeywell

The Challenge: Increasing Number of Tasks

Care facilities are under pressure to improve budget targets: hospitals and nursing homes must adopt to achieve financial results. Tailor made solutions are required to fulfill the needs of modern healthcare facilities.

What are key drivers in care facilities?

- Shrinking budgets and challenging competition
- Lack of qualified care staff and high fluctuation
- Best care, services and comfort are expected
- Growing risks endanger profit

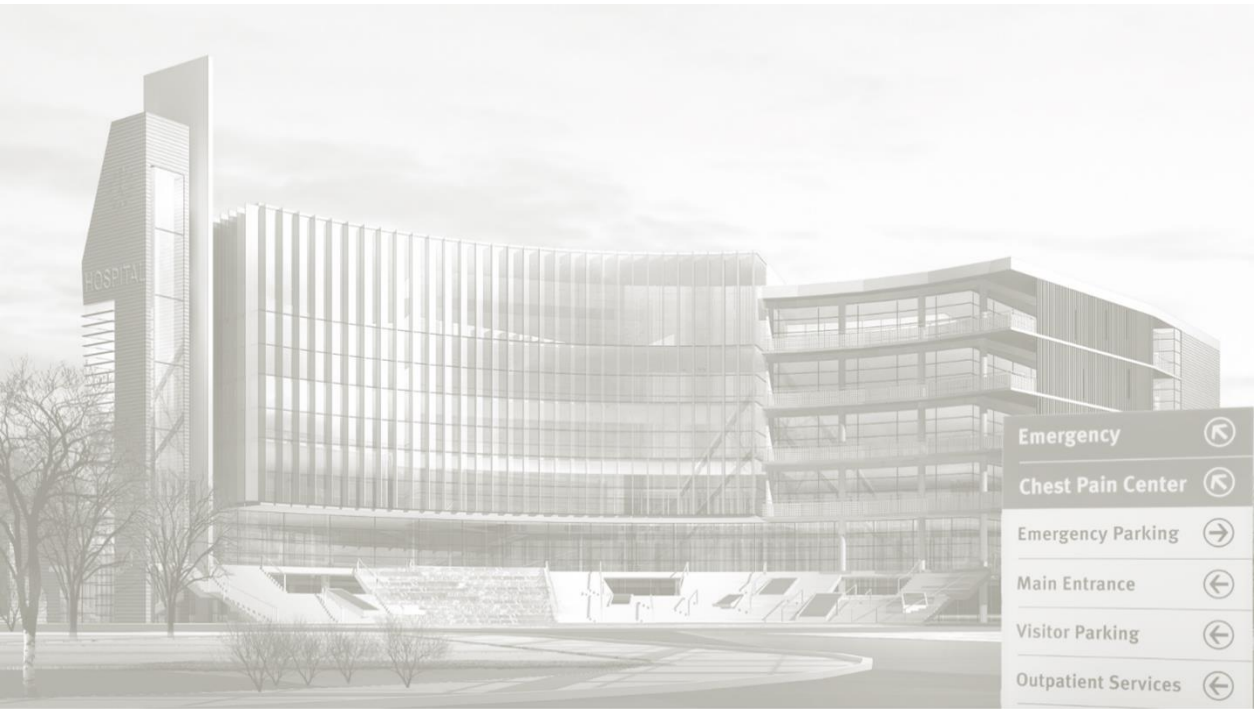


The Challenge: Increasing Number of Tasks

Smart processes and modern hygienic standards are absolutely mandatory.

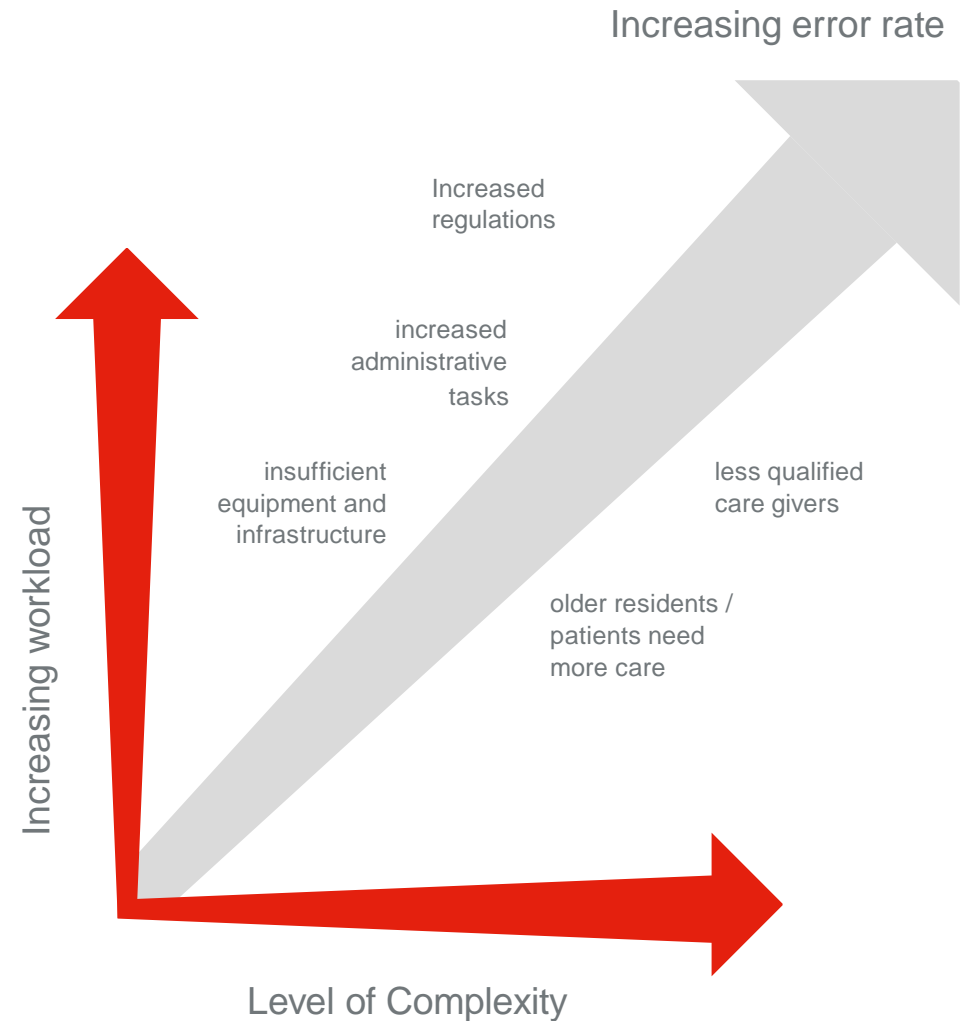
What are major requirements?

- Improved workflows and reduced operating costs
- Standardized platforms for multiple applications
- Optimal service deliveries and regulatory compliance
- Reliable and transparent alarm management



The Challenge: Increasing Number of Tasks

Care facilities are facing huge challenges:
more Patients, rapid technology changes,
less staff faces more tasks.



The situation: Managing Number of Daily Activities

Care facilities need to manage:
Inefficient use of nursing time is leading to reduced productivity and less time spent with patients.



Walks 6.43 miles in a 12-hour shift¹



Productivity



58 minutes each day for a nurse to walk to the nurses' station to answer the telephone³



Only 30% time spent on direct patient care²



Non-clinical Tasks



On average, nurses spend 30 minutes/shift tracking equipment⁴

The smart solution: Systevo Mobile – Flexible platform for care facilities

Scalable Software platform to combine classic nurse call solutions with mobile workflow enhancements and individual communication safety in an economic way.

What does Systevo Mobile consist of?

Mobility, scalability and safety by:

- Open and reliable client/server model
- Modular approach of software / hardware
- Flexible connectivity of multiple devices
- Mobile intelligent device management

Systevo Mobile – The mobile solution to rely on

- **Secure and automatic – reduced alarm fatigue in the care facility**
- **Intuitive operation and assistance of care workflows**



The smart solution: Systevo Mobile – Concerted to Individual Clinical Needs

Offers a dedicated assemble of Hardware, Software and Services to support process efficiency in clinical environments.

What does Systevo Mobile offer?

Transparency and sustainability by:

- Safe and monitored alert notification and acknowledgement
- Simplified care staff communication
- Ability to support more use cases during daily workflows
- Comprehensive and flexible integration of other applications

Systevo Mobile – The mobile solution to rely on

- Highest hygiene demands to ensure longevity of rugged devices
- Future oriented and modular full IP-based infrastructure
- Controlled life cycle costs for hardware and software



Easy: Systevo Mobile – simplifies day to day routines

All benefits from the integrated solution

Stakeholders



Administration



Care Staff



IT Manager



Resident / Patient



Nurse Call



Nurse Mobility



Documentation

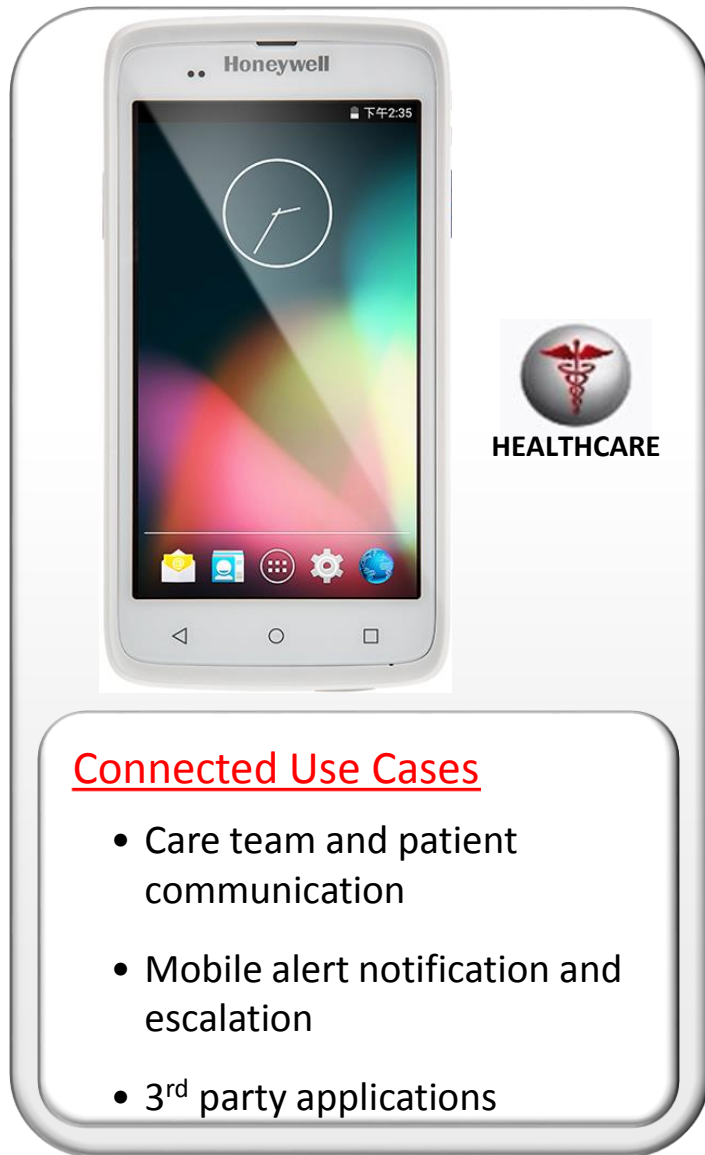


Track and Trace



Applications

Systemo Mobile – flexible nurse mobility



Systemo Mobile – for individual stakeholders



High-end processing capabilities: fast usage of applications.



Larger display screen improves accuracy when reading and makes data entry easier and more accurate (larger virtual keyboard).



Easily swappable battery pack that powers the device around the clock.



Durability testing will help to keep nurses productive and enable long device life-cycle.



Design that replaces multiple individual devices (scanner, pager, VoIP phone...) improved user satisfaction and is cheaper for the hospitals to implement.



Enterprise grade WiFi connectivity developed in-house from years of experience.

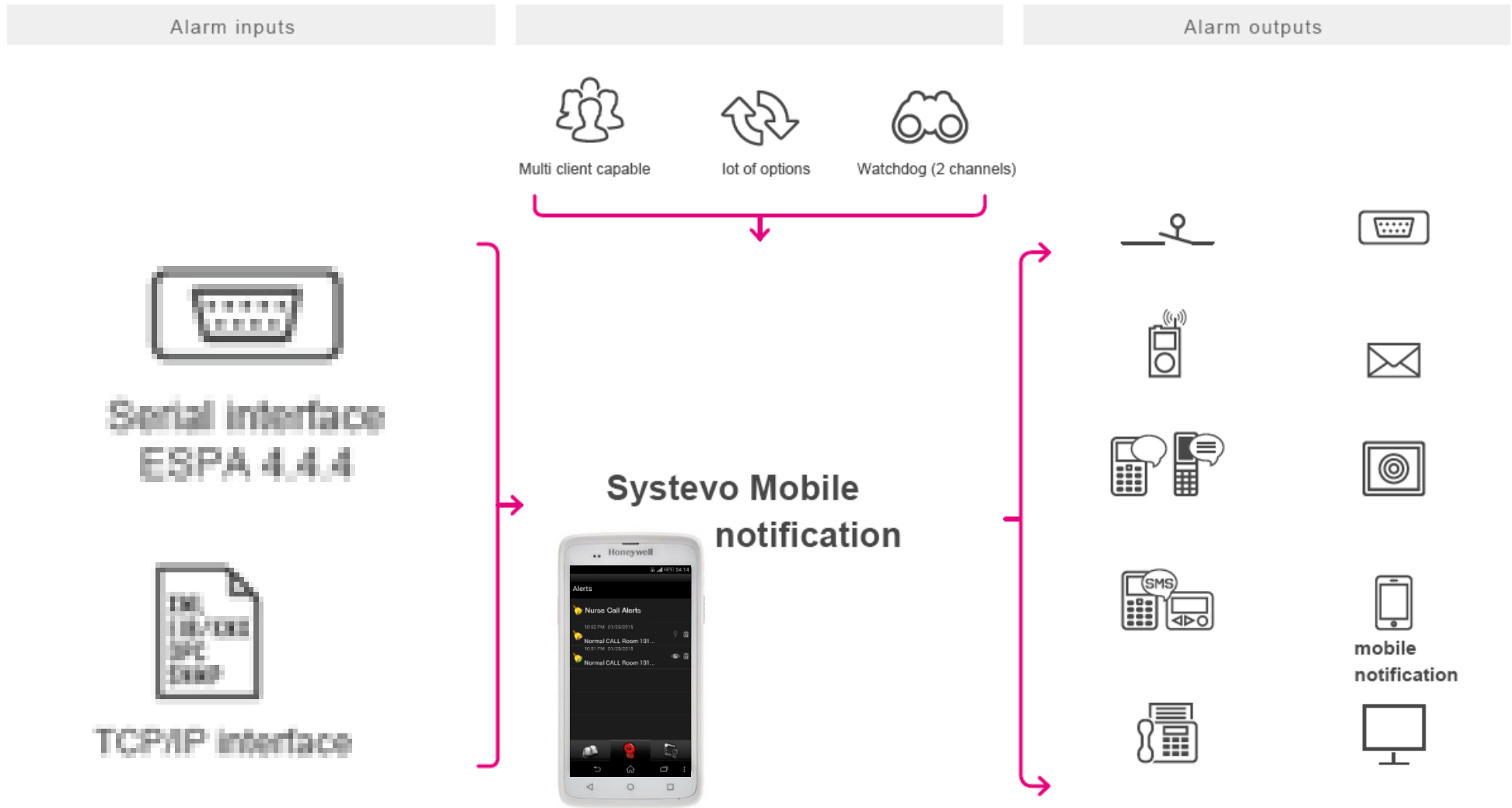


Increases productivity and throughput with an integrated and easy-to-use imager.



Housing is ready for cleaning.

Systemo Mobile – an intelligent platform



“Input” alerts can be forwarded to individual outputs

- Triggers are linked to different persona profile (users)
- For each “input” the corresponding “output” is assigned
- Escalation / notification may vary from day to day

Economic: Systevo Mobile – Increases profitability every day

A comprehensive communication and workflow solution for care facilities.

- Mobility and connectivity as well as ongoing networking – in- and outside of the care facility - are basic requirements regarding effective working and decision processes.
- Future oriented and modular healthcare IP-based concepts deliver the required safety aspects: the modular infrastructures ensure the required Nurse Mobility.

- **Competitive and profitable – optimization of processes, communication**
- **Better resource management – strong focus on care activities and patients**
- **Flexible platform – integration of other applications: medication, documentation / hygiene process management**



Economic: Systevo Mobile – Increases profitability every day

A comprehensive communication and workflow solution for care facilities.

- Intelligent device management and best practices in tracking, analyzing and modifying workflows are helping to drive day 2 day improvements – devices are used with a high efficiency.
- Lean processes, standardized communication practices and employee skills are creating better controls of available resources and eliminate mistakes.

- **Effective usage of equipment - higher return on investment**
- **Innovative and future proof – productivity improvements over the life cycle of the care facility.**



Effective: Systevo Mobile – supports care processes

More efficiency, mobility, hygiene and safety.

- Successful patient care requires that relevant information like location, time, alert information are directly provided – patient and staff related.
- Mistakes and redundant activities will be reduced and information are available for immediate escalations and decisions to improve productivity and patient's safety.

- **Secure and fast – patient and staff identification**
- **Intuitive user interface – up-to-date information at the point of care**
- **Individual and flexible – custom made applications and procedures**



Effective: Systevo Mobile – supports care processes

More efficiency, mobility, hygiene and safety.

Hygiene demands are fulfilled: mobile smartphones can be cleaned easily and withstand exposure to harsh chemicals without compromise.

Without additional effort, Systevo Mobile smart devices are specially designed to eliminate ineffective walking times: reaction on patient's alerts, care team communication and daily activities takes place quick and easy.

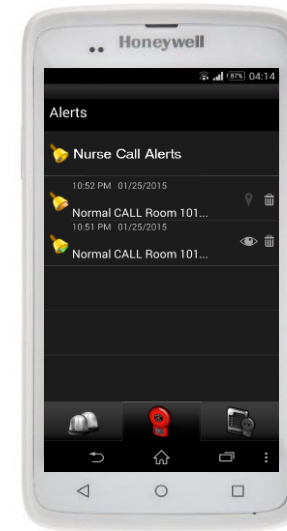
- **Severe hygienic and mechanical demands – device reliability & longevity**
- **Perfect approach – rugged construction, max. comfort and pocketability**
- **Patient in the focus – spending additional time on clinical work instead of tasks with non value add tasks.**



Systemo Mobile alert notification solution

Stakeholder – care giver

- Escalation of alerts related to care staff:
 - Fast handling: events are escalated in time (no delays) and are forwarded to the responsible care giver
 - Example 1: nurse call alerts (e.g. standard calls, emergency, bathroom calls) are indicated
 - Example 2: info from vital sign monitoring solutions (as 2nd routing to the care giver), e.g. if a threshold has been exceeded
 - Example 3: alerts from an RTLS solution (dementia care, baby tracking) can be indicated to allow a fast reaction time
 - Example 4: alerts from a care giver (e.g. if a person has been attacked) can be escalated to allow a fast reaction time
 - Example 5: automated alerts (e.g. if a person is in a wrong location) can be escalated to allow a fast reaction time



Systemo Mobile alert notification solution

Stakeholder – care giver

- Escalation of alerts related to care staff:
 - Intercom: calls from Systemo Touch IP, a room terminal (ZT99) or Systemo Com can be answered by the smartphone, using the callback feature (system release V11 required)
 - Using the smartphone application: incoming triggers are displayed, the care giver can confirm / reject / divert the call
 - If a call is rejected or not answered in time, other persona can be integrated to the escalation routing
 - Avoidance of alarm fatigue as the right person gets the right information



Effective: Sysvevo Mobile – supports IT processes

Higher security, integration and standardization.

- Data and **cyber security** in all parts of the care facility are mandatory. Care givers, physicians need to rely on provided infrastructures, services and devices.
- Intelligent **device management** and best practices of software and application updates are critical. Devices are being operated without interruptions to ensure highest level of availability.

- **Smooth migration – compatibility with IT-infrastructures (WIFI/LAN/VM)**
- **Standardization of services – usage of standard protocols (VoIP/SIP)**
- **Secure and reliable – device management and monitoring (Mdm)**



Effective: Systevo Mobile – supports IT processes

Higher security, integration and standardization.

- Cost control elements are in place: the **rugged smartphones** are equipped with Gorilla® technology and withstand rough usage.
- Are cleaned easily and withstand exposure to harsh chemicals without compromise: this ensures a **lower total cost** of ownership during the complete lifecycle circle.
- Devices deliver smooth **multi-task processing** with an intuitive user interface: this improve daily productivity and ensures patient safety.

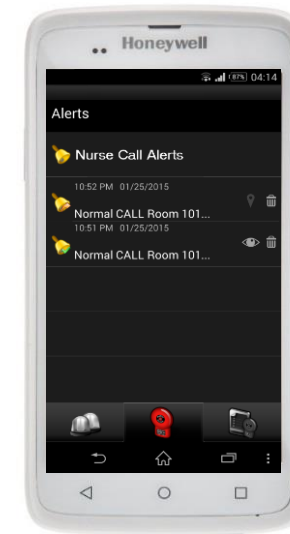
- **Automated processes – structured software rollouts and updates**
- **Cost control – structured budget management of software / hardware**
- **Processes under control – ability to drive productivity and high safety elements with lower total cost of ownership.**



Systemo Mobile alert notification solution

Stakeholder – IT manager

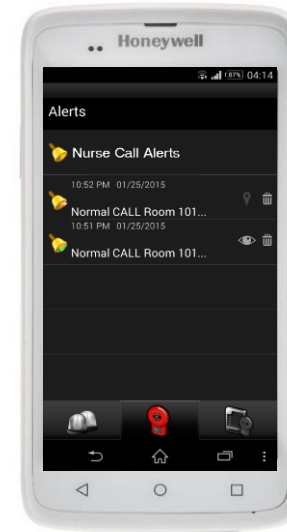
- Escalation of alerts related to IT:
 - Cyber security: events are tracked and can be forwarded to the responsible IT team to react in time
 - Example: Alerts (e.g. SNMP traps) of the IT equipment related to nurse call system or any other solution within the care facility are indicated
 - Email forwarding(output): the IT support team is receiving an email (mobile, PC)
 - Using the smartphone application: incoming triggers are indicated, if WIFI/internet services are available
- Possible tools:
 - Systemo Mobile smartphone
 - Email (outlook etc.)
 - Other smartphones



Systevo Mobile alert notification solution

Stakeholder – value added reseller (VAR)

- Escalation of alerts related to VARs:
 - Improved productivity: events can easily be forwarded to the responsible technical support team to react in time
 - Messages are in plain text
 - Example: techn. malfunctions of the nurse call system (HW/SW), fire detection system or BMS
 - Email/SMS forwarding (output): the service engineer(s) are receiving an SMS or an email, incl. the option for notification
 - Using the smartphone application: incoming triggers are indicated, if internet services are available
- Possible hardware / tools:
 - Systevo Mobile smartphone
 - Other Android /IOS smartphones
 - Email / PC



Feel safe und protected: Systevo Mobile – The Nursing Attendant

More comfort, quality and process support at the Point of Care – every time.

- Personalized patient care and rapid response in every emergency case: **transparent workflows** and flexible staff management assure a high customer acceptance.
- Along with safety, structured **hygiene processes** and the quality of care play an important role for patients, relatives and the care facility.

- **Reliable primary nursing and well-informed care staff**
- **Less alarm fatigue lead to reduced medical errors**
- **optimized patient response time**
- **Improved productivity and hygiene process management**



Feel safe und protected: Systevo Mobile – The Nursing Attendant

More comfort, quality and process support at the Point of Care – every time.

- **Consolidation** of several individual tools like legacy VoIP or DECT phones, calendar and barcode scanners to 1 handheld device
- Offering **cutting edge technology** tailored to modern needs of care facilities.
- **Scalability** and flexible **upgrade opportunities** are aligning the long term usage.

- **Assurance of individual mobile services and device durability**
- **Upswing in customer satisfaction and improved reputation of care facilities, with Systevo Mobile.**



All this argues for **Systemo Mobile**

An innovative combination of wireless communication, intelligent nurse call routing and the integration of 3rd party applications: profitability is improved by efficient personal resource management and simplified care processes - Systemo Mobile delivers a high level of customer satisfaction.

Flexible

Efficient

Secure

Systemo Mobile

Appendix

Systevo Mobile

Systevo Mobile combines reliability and usability with an affordable price to improve productivity and patient safety.



Program Summary

Key Product Differentiators

- **Improve productivity through smooth operation for multi-task applications:** An industry-leading platform: Qualcomm® Snapdragon 410 processor with 1.2GHz quad-core CPU enables fast access to business-critical applications
- **Increase device reliability and durability in healthcare environment.** It can be cleaned and withstand exposure of harsh chemicals without compromise the device reliability and longevity
- **Increase operation efficiency:** A large 5-inch Corning Gorilla® capacitive touch screen optimizes productivity and ensures easy viewing of critical patient data
- **Reduce fatigue for long time use:** Offering the perfect combination of durability, ideal for heavy use in the field, and maximum comfort and pocket ability
- **Reduce TCO through mixed use deployment:** Systevo Mobile can be easily connected to multiple devices, providing the ability to support more use cases and applications

Launch Timing

- **Begin shipping:** Q1 2017
- **Public launch and promotion:** Q1 2017

Device comparison



Specifications	Honeywell	Ascom	Spectralink Pivot 8753	COBS Smart 1
Processor	1.2 Ghz quad core	1 Ghz Coretex dual core	1 Ghz Coretex A9dual core	Imx Dual core
Memory	2GB RAM/8 GB FLASH	1 GB RAM/4GB Flash	1 GB DRAM, 8 GB flash	4GB Flash, 1GB RAM, Micro SDHC <64GB
Battery	4000 mah Li-ion (user replaceable)	1520 maH Li-ion (user replaceable)	2350 mah Li-ion (user replaceable)	1600 mah Li-ion
OS	Android 7.1	Android 5.x	Android 5.x Lollipop	Android 5.x
Radio	IEE 802.11 a/b/g/n WIFI CERTIFIED (4G as an option)	IEE 802.11 a/b/g/n WIFI CERTIFIED	IEE 802.11 a/b/g/n WIFI CERTIFIED	802.11 a/b/g/n
Durability	IP 54 cerified,Gorillaglass protected front panel	IP 54 cerified ,Gorillaglass protected front panel	IP-64 certified, Dragontail protected front panel	IP 54,Dragontrail glass
Display	4.66 Inch TFT certified LCD with backlit display	3.2 Inch ,LED Backlight	4.3 in. (109 mm) TFT, 800 x 480 pixels	4" IPS TFT (480x800), 16M colors, Touchscreen, LCD backlight
Display Position	Front facing conventional display	Unique top positioned display for better reading by nurses as well as conventional display	Front facing conventional display	Front facing conventional display
LED Notification	NA	Color coded priority notifications	NA	NA
Bar code scanner	ID and 2 D Imager	ID and 2 D Imager	ID and 2 D Imager	5M pixel rear camera
Weight	270 g	180g	250 gm	195 gm
Safety features	NA	Optional Alarm Button	Dedicated Panic button and man down capability alarm	NA

Competitive Landscape

Spec	Systevo Mobile	Ascom Myco	Value Driver for Systevo Mobile
Processor	1.2 GHz quad-core	1 GHz Arm Coretex dual-core	<ul style="list-style-type: none"> Runs applications faster without device battery drain Runs data-intensive apps with no latency More efficient running rich multi-media graphics
Memory	2GB RAM/ 8GB Flash	1GB RAM/ 4GB Flash	<ul style="list-style-type: none"> Performs faster with quicker read and write to memory
Battery	4000 mAH Li-Ion	1520 mAH Li-Ion	<ul style="list-style-type: none"> Battery power that lasts a full 12 hour shift Less battery swaps minimizes clinician downtime
O/S	Android 4.4.4 KitKat	Android 4.4.4.	<ul style="list-style-type: none"> Highest level of future-proofing protection
Radio	IEEE 802.11 a/b/g/n/ac WiFi certified (3G as an option)	IEEE 802.11 a/b/g/n/ac WiFi certified and 3G	<ul style="list-style-type: none"> Ensures access to real-time patient data Reliably keeps staff connected Protects sensitive patient information
Durability	Multiple 4ft drops to concrete; Exceeds 1,000 1.0m tumbles; IP54	IP54	<ul style="list-style-type: none"> Tested to survive drops, bumps, spills and sanitizing common to hospital environments Protects device uptime and increases utilization for stronger ROI
Display	4.66" TFT Color LCD with Backlight, 720p HD, >400NIT	3.2" display, LED Backlight, 480x800, 300NIT	<ul style="list-style-type: none"> Larger screen improves clinician accuracy and eases data entry
Barcode Scanning	Very good class1D and 2D Imager	Camera only 5MP, HON technology	<ul style="list-style-type: none"> Pending test data, expecting significant advantage
Weight	270g , incl. high power battery	180g, incl. battery	<ul style="list-style-type: none"> Pending test data, expecting significant advantage

Competitive Landscape in mobile com.



Systemo Mobile versions

P/N	Description	Image
790M50HC	Systemo Mobile, WiFi only, white	 A white Honeywell Systemo Mobile device shown vertically. The screen displays a clock and a colorful abstract background. The Honeywell logo is visible at the top of the screen.
790M50B	Systemo Mobile, WiFi only, black	 A black Honeywell Systemo Mobile device shown vertically. The screen displays a clock and a colorful abstract background. The Honeywell logo is visible at the top of the screen.
790M50BG	Systemo Mobile, GSM/WiFi only, black	 A black Honeywell Systemo Mobile device shown vertically. The screen displays a clock and a colorful abstract background. The Honeywell logo is visible at the top of the screen.

What is in the Box*



EULA

Battery

adaptor

Terminal

USB cable

4 plugs

* documents will be in English

Accessories

P/N	Description	Image
790M501	BATT,3.8V,4000mAh, for Systevo Mobile with CE and BT logo, etc	
790M505	CABLE, MicroUSB, 1A8, EDA50	
790M504	Single Charging Dock	
790M503	ASSY, Hand Strap, EDA50, BLACK	
790M502	PLUG, US plug of Honor adaptor	

Systemo Mobile: software bundles

Bundle	Description	SKU Honeywell
1	<ul style="list-style-type: none"> - Virtual machine (VM) incl. license - 30 licenses for mobility users included - Input: Serial link ESPA4.4.4. - Out: NovaAlert Application (Android APK, IOS) - Out: SMS - Out: Email - Out: Intercom to Honeywell nurse call - 3 Yrs care/warranty (to be included in the hardware price) - Support 7/5 (to be included in the hardware price) 	790M100
2	Similar to bundle 1 + hardware platform (X100)	790M101
3	<ul style="list-style-type: none"> - Virtual machine (VM) incl. license - 50 licenses for mobility users included - Input: Serial link ESPA4.4.4. - Input: OPC for building management solution - Input: ESPA-X for XML-connectivity - Out: NovaAlert Application (Android APK, IOS) - Out: SMS - Out: Email - Out: Intercom to Honeywell nurse call - 3 Yrs care/warranty (to be included in the hardware price) - Support 7/5 (to be included in the hardware price) 	790M104
4	Similar to bundle 3 + hardware platform (X100)	790M105
5	10 licenses for mobility users	790M101
6	GSM modem: we refer to the supplier of the hardware	Non