



OR Cockpit⁺

Visual Management Tool



Improving staff efficiency and patient safety

OR Cockpit+ is a real-time visual management solution for surgery that improves patient safety and process efficiency through increased awareness and the adjustment of behavior and workflow processes. With this system, surgical teams benefit from smart real-time information, dynamic safety protocols and increased work-flow control, all through one central system. OR Cockpit+ enables superior patient safety and productivity levels, as well as analysis and reports on any performance parameter.

Real-Time Smart Information

- Integrates data from EMR/EHR (e.g. EPIC, Cerner), major OR equipment and systems
- Validates and interprets that data, displaying essential information to clinical staff

Improved Compliance and Protocol Use

- Provides your protocol visibility to ensure patient safety and compliance
- Staff can be alerted when a set parameter is broken or the status of a certain patient safety protocol is in place for a given procedure
- Database stores information on each procedure giving department and hospital administrators a compliance safety score for each procedure by type, team and doctor

Clinical Business Intelligence & Continuous Learning

- Use of real-time analytics, monitoring, and reporting allow staff to continuously develop and improve their quality of care and patient safety
- Preventative surgical site infections and associated readmissions are reduced through increased protocol compliance



Real-Time
Smart
Information



Safety
Protocol
Compliance



Monitoring
& Reporting

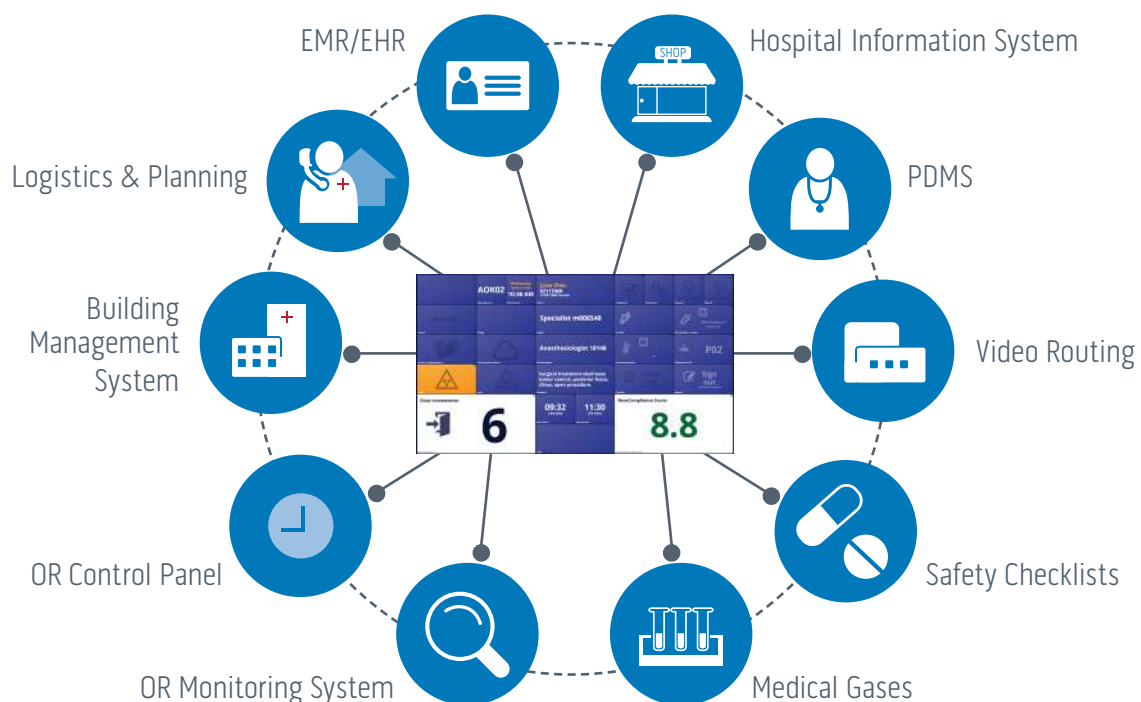
Real-Time Smart Information

OR-01	Tuesday 10/10/15 13:58	Patient Name Female 01-01-1950	Pre-briefing checklist		Antineoplastic	Choking
Brown patches Latex	16	Hip replacement		Bo Wiesman	Time	
14:32 Cefazoline 1000mg	37	LEFT		Holding 30 min	Patient monitoring	
IMPLANT	Spinal		Announce ment here		Staff break	
Doormovements 9	2:52 PM (-25 min.)		3:54 PM (+ 73 min.)	Grade NC 5		
		Surgeon Anesthesia Nurse Circulating Nurse				

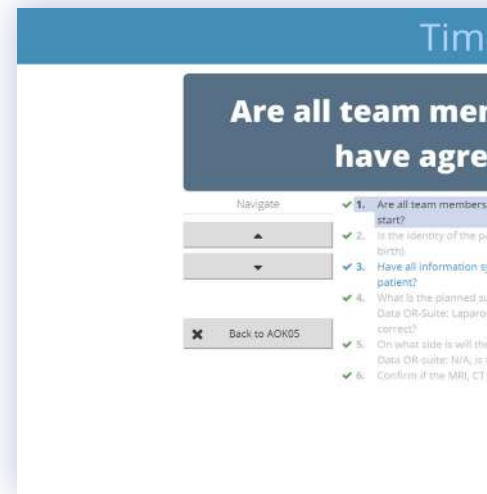
Displayed Information

- Antibiotic application
- Door movements
- HVAC
- Laser, x-ray/implant indicator
- Patient demographics
- Patient monitoring
- Patient safety score
- Staff identification
- Surgical procedure
- Time
- WHO checklists:
Time out
Sign out

Monitor the Entire Surgery Department



Improve patient safety and staff productivity



Information



Flexible Dashboards

Make all relevant indicators clearly visible on self-scaling web-based dashboards inside and outside of the OR. They can also serve as logistical displays in the central holding and recovery areas, and are available on mobile platforms with security clearance.



Interoperability & OR Automation

By combining inbound and outbound data connections to different source systems (EHR/PDMS/HIS/BMS) with smart algorithms, the displays show only the relevant information to the right user at the right time. The OR can also be partly automated through OR Cockpit+ such as adjusting night modes for light and air filtering during ongoing procedures.

Safety Co



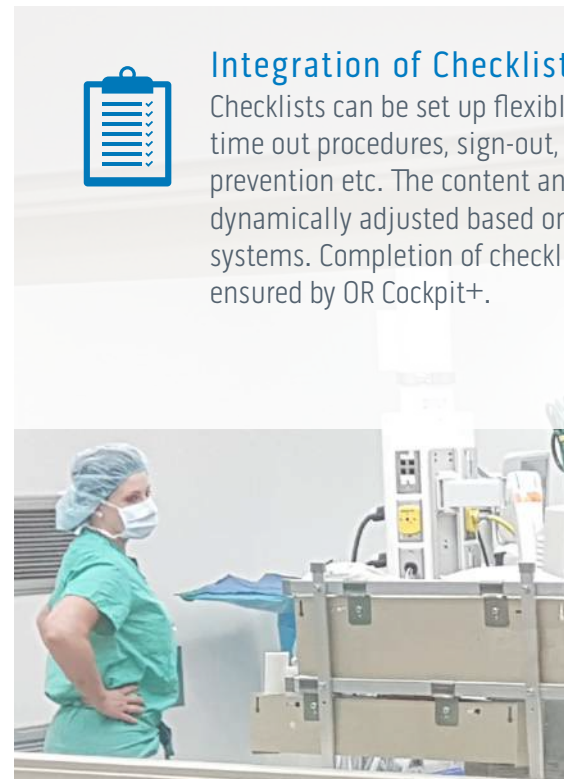
Dynamic Protocol Use

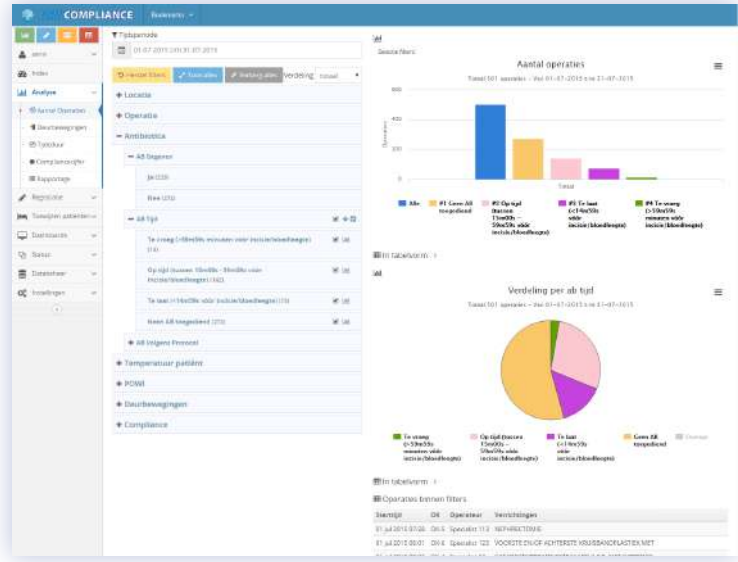
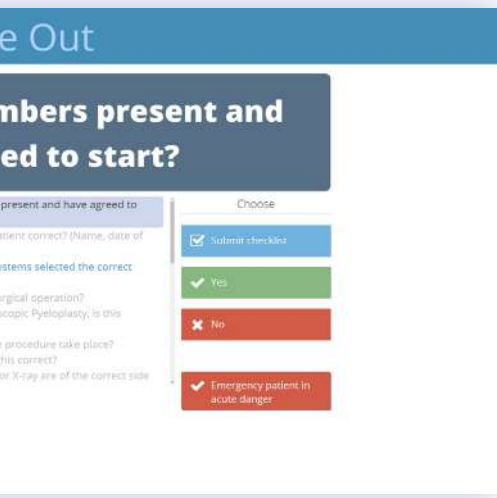
All relevant clinical and safety data are integrated into the OR Cockpit+, which makes the system provides alerts upon an event provides immediate guidance on the screen - as to what actions



Integration of Checklists

Checklists can be set up flexibly for time out procedures, sign-out, prevention etc. The content can be dynamically adjusted based on the systems. Completion of checklists is ensured by OR Cockpit+.





Compliance

Monitoring & Reporting

protocols are integrated in the system easier to use consistently. The system reduces non compliance and in such a way compliance - automatically or by tapping on the screen is best to be taken.



PATIENT SAFETY SCORE

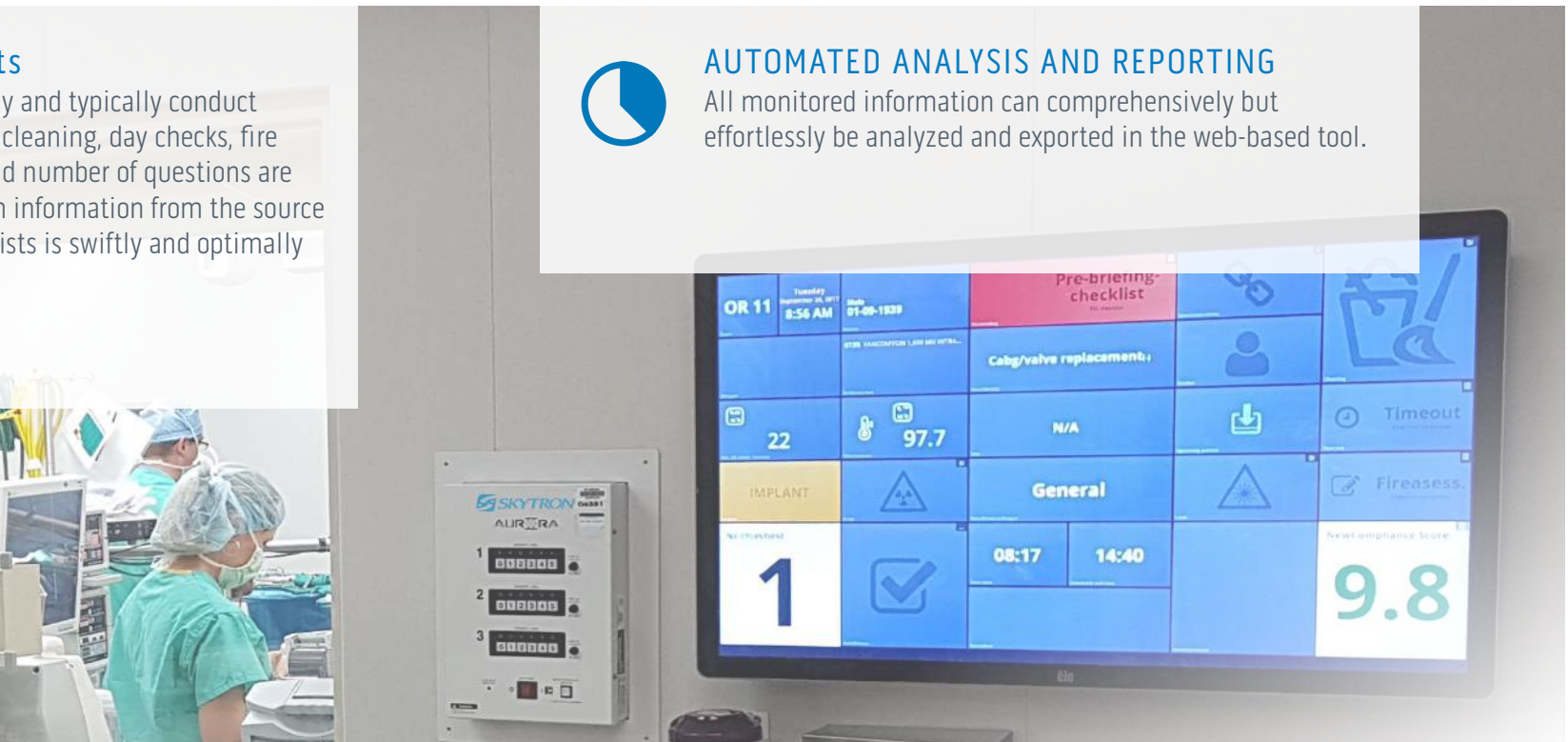
By displaying an intelligent real-time patient safety score during and after any surgical procedure, the OR team becomes increasingly aware of the quality of care and patient safety in each procedure. This can result in a decline of surgical site infections and associated readmissions.

checks and typically conduct daily cleaning, day checks, fire safety and a number of questions are asked to gather information from the source. This information is swiftly and optimally processed.



AUTOMATED ANALYSIS AND REPORTING

All monitored information can comprehensively but effortlessly be analyzed and exported in the web-based tool.



Clinical Business Intelligence

Real-Time Smart Dashboards

Real-time smart dashboards are developed for each OR area, tailored to each team's information needs, workflow and safety protocols.

Customizable Dashboards & Checklists

- Information Access** ▶ Information available to all, so the entire team feels empowered
- Communication** ▶ Communicate easily throughout the department, visually and in real-time
▶ Reduce manual communications
- Easy** ▶ Less data registration stress on caregivers

Scheduling Desk

OR	Surgeon	Procedure	Start Time	End Time	Duration	Priority	Status	Notes
1	Surgeon 1	Rip replacement	08:30am	11:30am	4:00	9.2	Green	✓
2	Surgeon 2	C-section	10:00am	11:00am	1:00	8.1	Blue	✓
3	Surgeon 3	Surgeon 3	Surgeon 3	Surgeon 3	Surgeon 3	Surgeon 3	Surgeon 3	Surgeon 3
4	Surgeon 4	Laparoscopic gynecology	08:00am	10:00am	2:00	13.43	Yellow	⚠
5	Surgeon 5	Prostatectomy	08:00am	10:00am	2:00	6.7	Green	✓
6	Surgeon 6	Prostate	08:00am	10:00am	2:00	3.6.5	Blue	✓
7	Surgeon 7	Surgeon 7	Surgeon 7	Surgeon 7	Surgeon 7	Surgeon 7	Surgeon 7	Surgeon 7
8	Surgeon 8	Surgeon 8	Surgeon 8	Surgeon 8	Surgeon 8	Surgeon 8	Surgeon 8	Surgeon 8

Inside & Outside Sterile Core

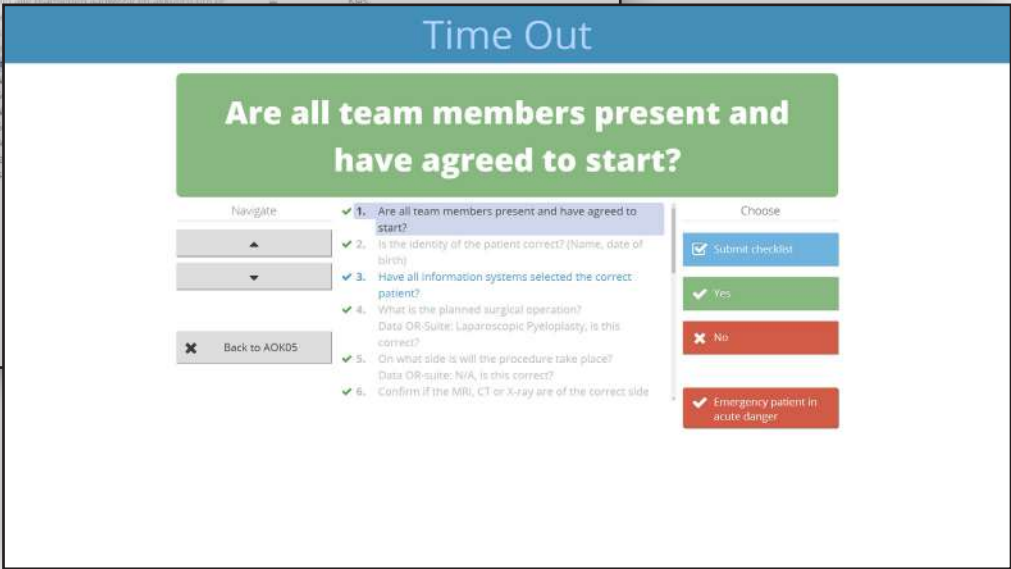
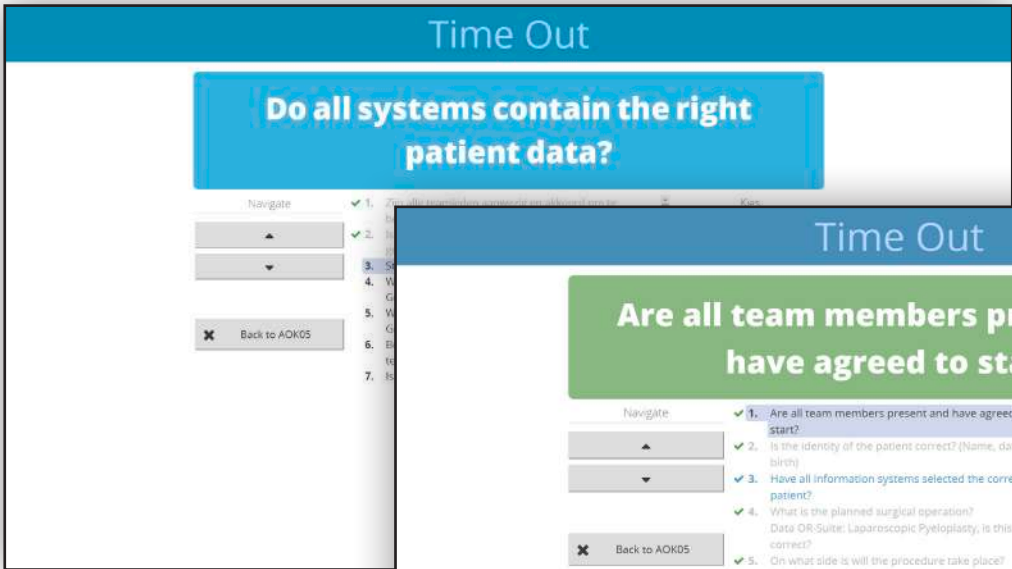


PACU

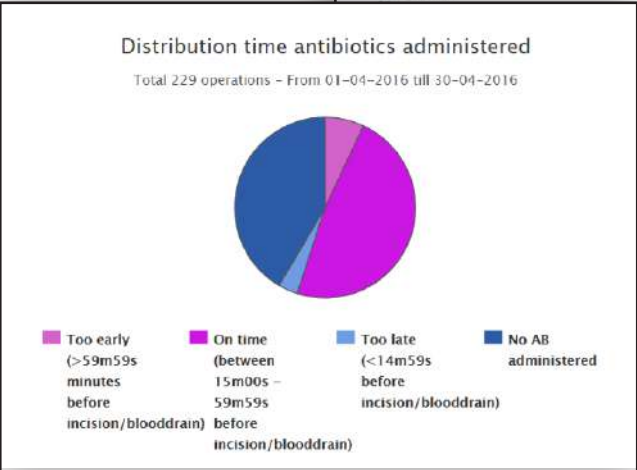
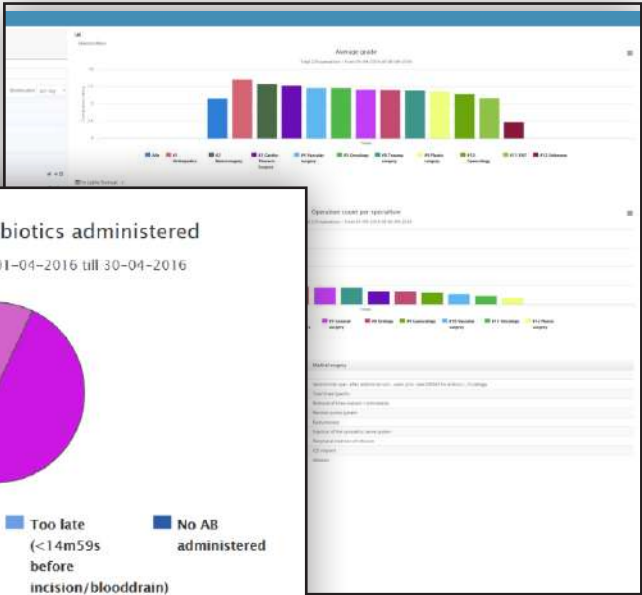
PATIENT	NAME	PROCEDURE	STATUS	ROOM
1	Patient 1	Procedure	96.5 96.3	7
2	Patient 2	Procedure	96.5 96.3	5
3	Patient 3	Procedure	96.5 96.3	5
4	Patient 4	Procedure	96.5 96.3	1
5	Patient 5	Procedure	96.5 96.3	8
6	Patient 6	Procedure	96.5 96.3	8
7	Patient 7	Procedure	96.5 96.3	1
8	Patient 8	Procedure	96.5 96.3	1
9	Patient 9	Procedure	96.5 96.3	8
10	Patient 10	Procedure	96.5 96.3	8

Prep & Hold





Web-Based Reporting & Analytics



OR Cockpit+ provides data analysis and continuous learning through automated data reviews that track and trace OR inefficiencies as well as SSI contributors. All of which result in significant cost savings for hospitals, less burden on caregivers and significantly higher quality of care for patients.

- ▶ Decrease in risk of errors
- ▶ Decrease in SSI's
- ▶ Cost savings
- ▶ Increase in OR efficiency



Circle of Clinical Business Intelligence

OR-01	Summary 01/18/18 12:58	Patient Name Female 01-05-1958	Pre-briefing checkboxlist		
Broken glass Lobby	16	Hip replacement	Dr. Williams		
1432 Colfax Ave 1000mg	37	LEFT	Waiting 20 min		
IBPLANT		Spinal			
Doormovements	9	2:52 PM (75 min.)	2:54 PM (77 min.)	Announce ment here	Grade NC 5
		Singem Armedilla Nurse Circulating Nurse			

OR Cockpit



Flat Screen Displays

Clinical Intelligence Solutions
Real-Time Decision Support
Performance Improvement
Enhanced Workflow



LENS - RTLS Solutions



iRIS RFID Enclosures



SkyVision

About Skytron: Skytron is a healthcare efficiency company specializing in capital equipment that drives performance in today's healthcare facilities. Our solutions enhance the utilization of people, facilities and capital because they are designed with the user in mind and have a low, long-term cost of ownership. We offer full-room solutions in Clinical, Infection Prevention and Clinical Business Intelligence products. **To learn more, visit our website at www.skytron.com**



5085 Corporate Exchange Blvd. SE
Grand Rapids, MI 49512
1.800.SKYTRON (759-8766)
email: info@skytron.com
www.skytron.com



REV2 11-18
PN L2-010-147