





YOZGAT CITY HOSPITAL

First City Hospital of Turkey



475 beds



142.000 m²



80.000
patient/month





STAGE

The **HIMSS** Analytics Electronic Medical Record Adoption Model (**EMRAM**)SM was created to track healthcare organizations' progress towards achieving a paperless patient record environment. Hospitals and ambulatory care facilities are scored based on their level of EMR adoption from stage 0 through stage 7.

STAGE	HIMSS Analytics EMRAM EMR Adoption Model Cumulative Capabilities
7	Complete EMR; External HIE; Data Analytics, Governance, Disaster Recovery, Privacy and Security
6	Technology Enabled Medication, Blood Products, and Human Milk Administration; Risk Reporting; Full CDS
5	Physician documentation using structured templates; Intrusion/Device Protection
4	CPOE with CDS; Nursing and Allied Health Documentation; Basic Business Continuity
3	Nursing and Allied Health Documentation; eMAR; Role-Based Security
2	CDR; Internal Interoperability; Basic Security
1	Ancillaries - Laboratory, Pharmacy, and Radiology/Cardiology information systems; PACS; Digital non-DICOM image management
0	All three ancillaries not installed

PREPARATION DETAILS

HIMSS Stage 6

Prior to be certified with HIMSS Stage7, HIMSS Stage6 certification is required.

Yozgat City Hospital got it's Stage6 certification on September 13th 2017 and became the first City Hospital of Turkey certified with HIMSS6

Software development

Clinical decision support systems

Medical device integrations

Infrastructure improvements

PREPARATION DETAILS

HIMSS Stage 7



More than one year preparation period

Working together
with health
professionals and IT
teams for
cultural
transformation

HIS integration for medical devices

Hundreds of software functionalities implemented to achieve best applications





PREPARATION DETAILS

HIMSS Stage 7



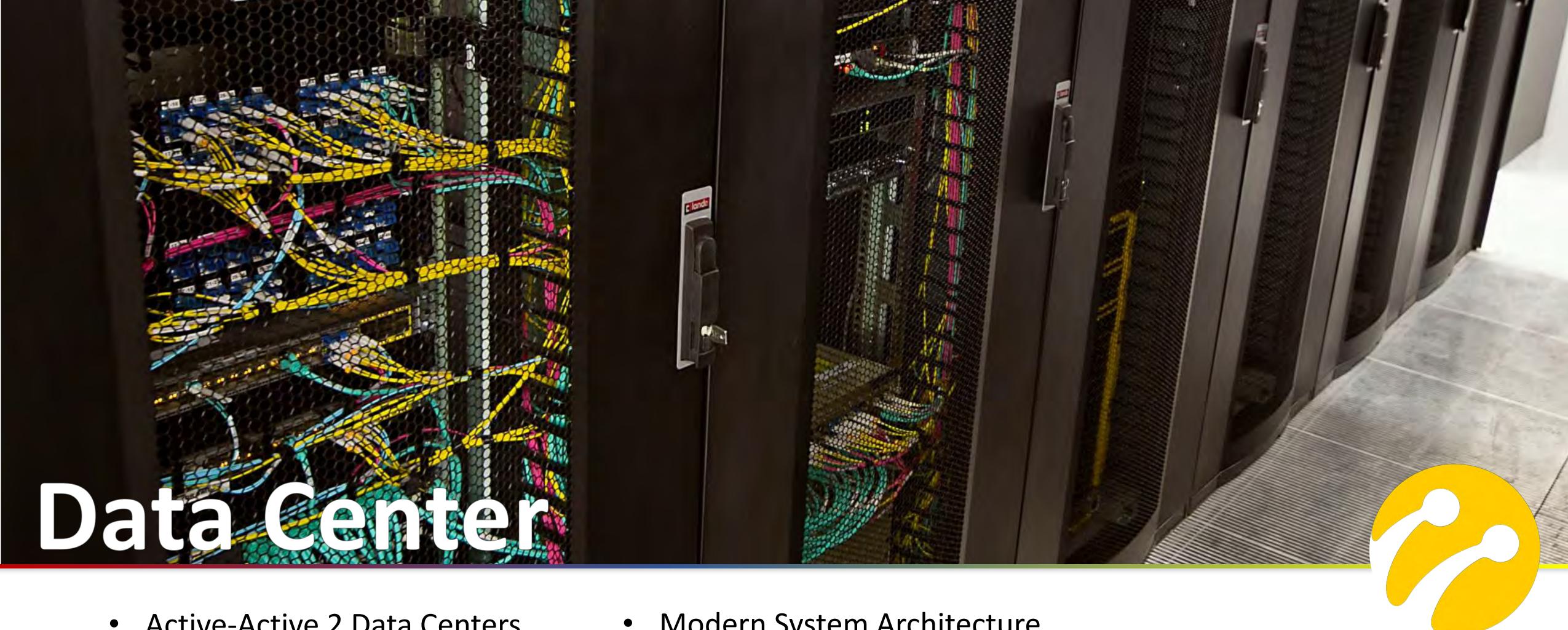
Bolu Hospital visit November 2017

GAP analysis
June 2018

Coordinated team work witt technical and administrative teams

Tracking and reporting project status regularly.



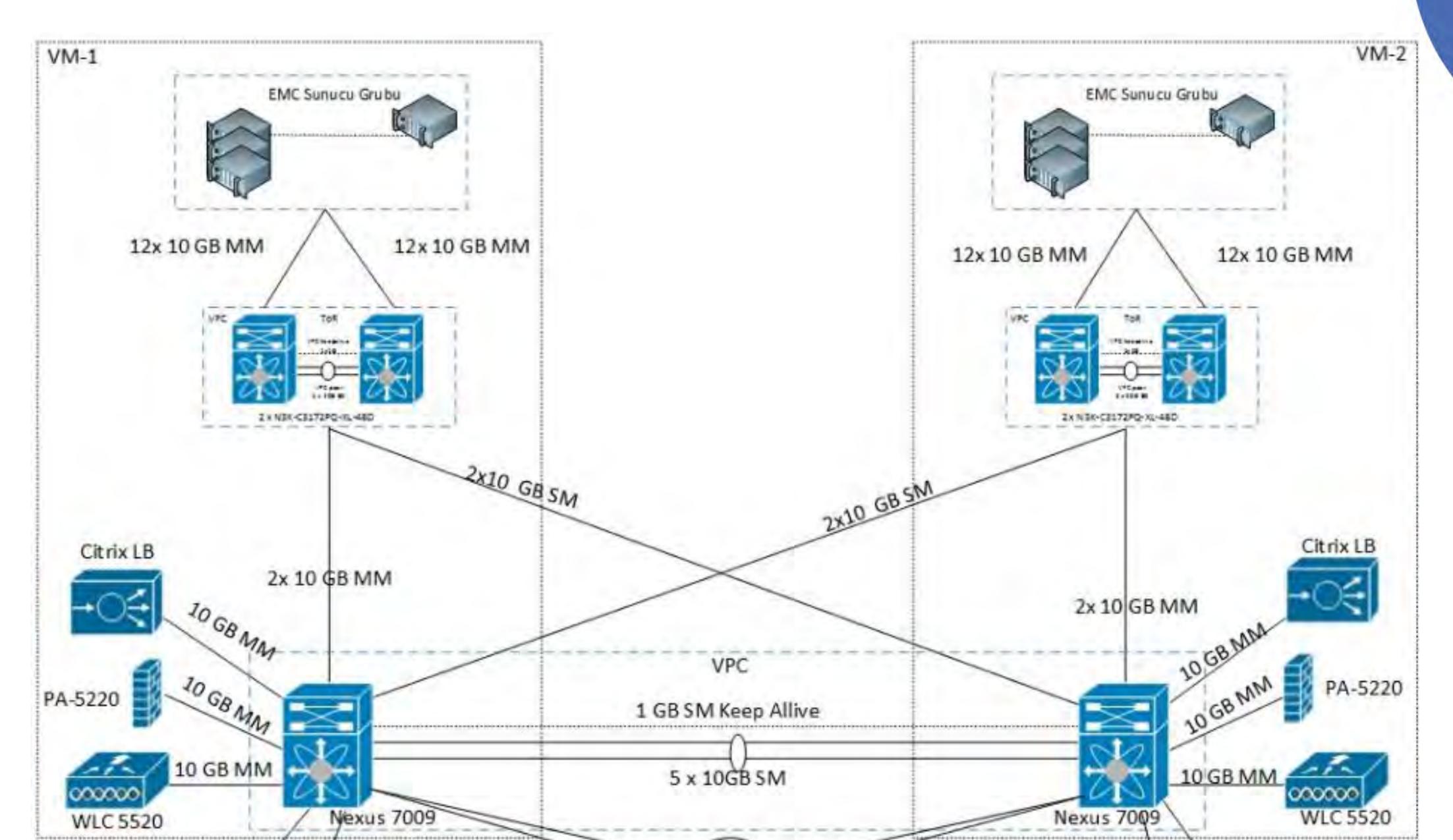


- Active-Active 2 Data Centers
- International Standards
 - o Uptime Institute,
 - TIA 942,
 - o ANSI/BICSI

- Modern System Architecture
- Synchronized Structure
- Full Redundant
- 7/24 Online Monitoring
- High Availibility
- Zero down-time tolerance

Fully Redundant Network Infrastructure





HIS Medical Modules





Security



Datebook



Patient Recording



Patient Admittance



Out Patient



Inpatient



Hemodialyses



Treatment Plan



Vaccination



Gynaecological Diseases



Operating Theater



Performance Follow-Up



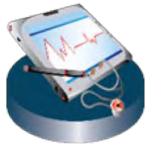
Pharmacy



Blood Bank



Pediatric



E-Medical Records



E-Optics



Home Healthcare



Invoicing



Physiotherapy



Nursing Care



Cancer Follov
Up



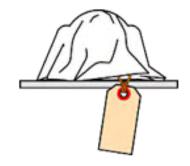
Consultation



Infectious Diseases



Archive



Morgue



Pathology



Prothesis



Psychiatry



Information Desk



Health Committee



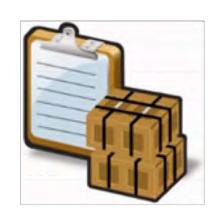
Announcement & Survey

HIS Financial Modules & Others









Inventory Management



Fixture Follow-Up



Purchasing



Sterilization



E-Pay Office



Equipment Management



Medical Waste Management



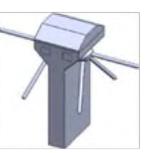
Cafeteria Management



Personnel Payrolling



Personnel Records



Personnel Attendance Follow-Up



Form Designing



Mailing



SMS



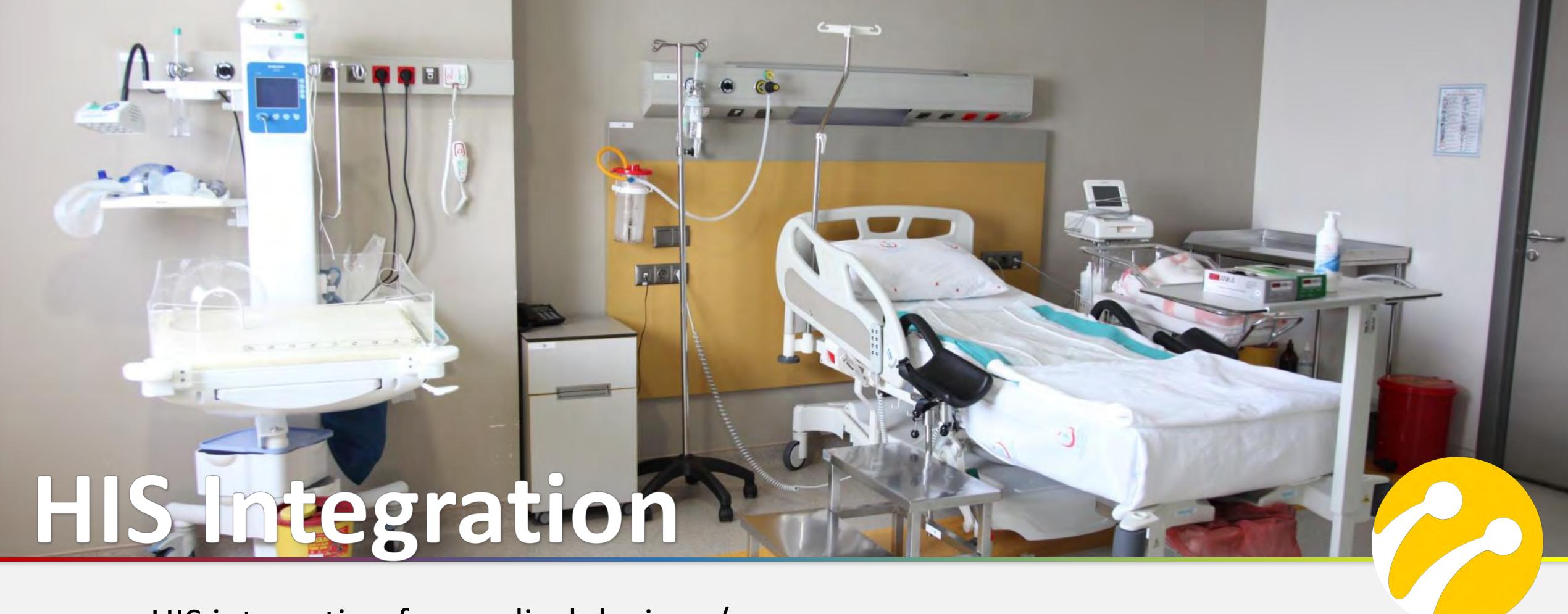
Statistics



Patient Information Monitors



Kiosks

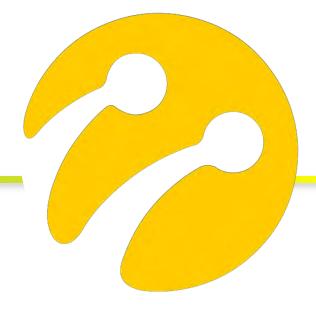


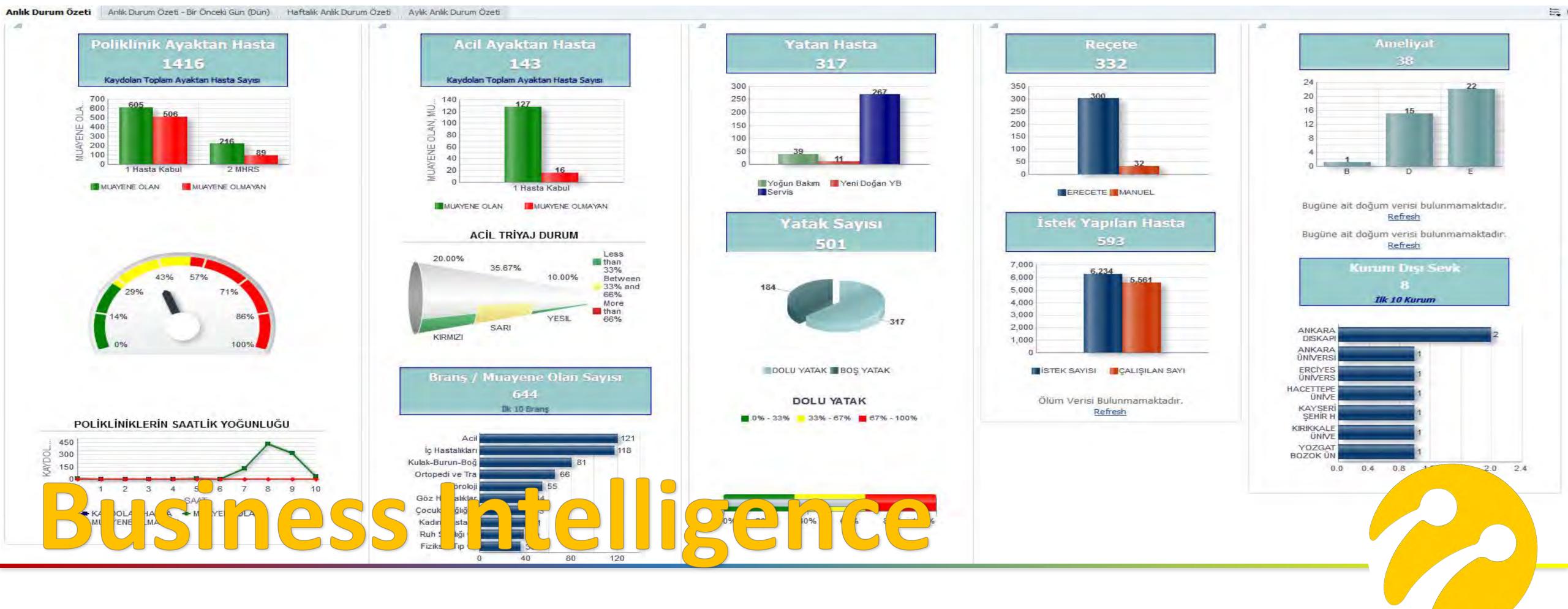
- HIS integration for medical devices / processes
- Digital archiving for medical records
- Instant Access to medical data via HIS





Clinical decision support systems for nurses





- Business intelligence applications for administration
- KPI's for better performance



- Mobility
- Bed-side access to HIS
- Medical carry box and trash bin

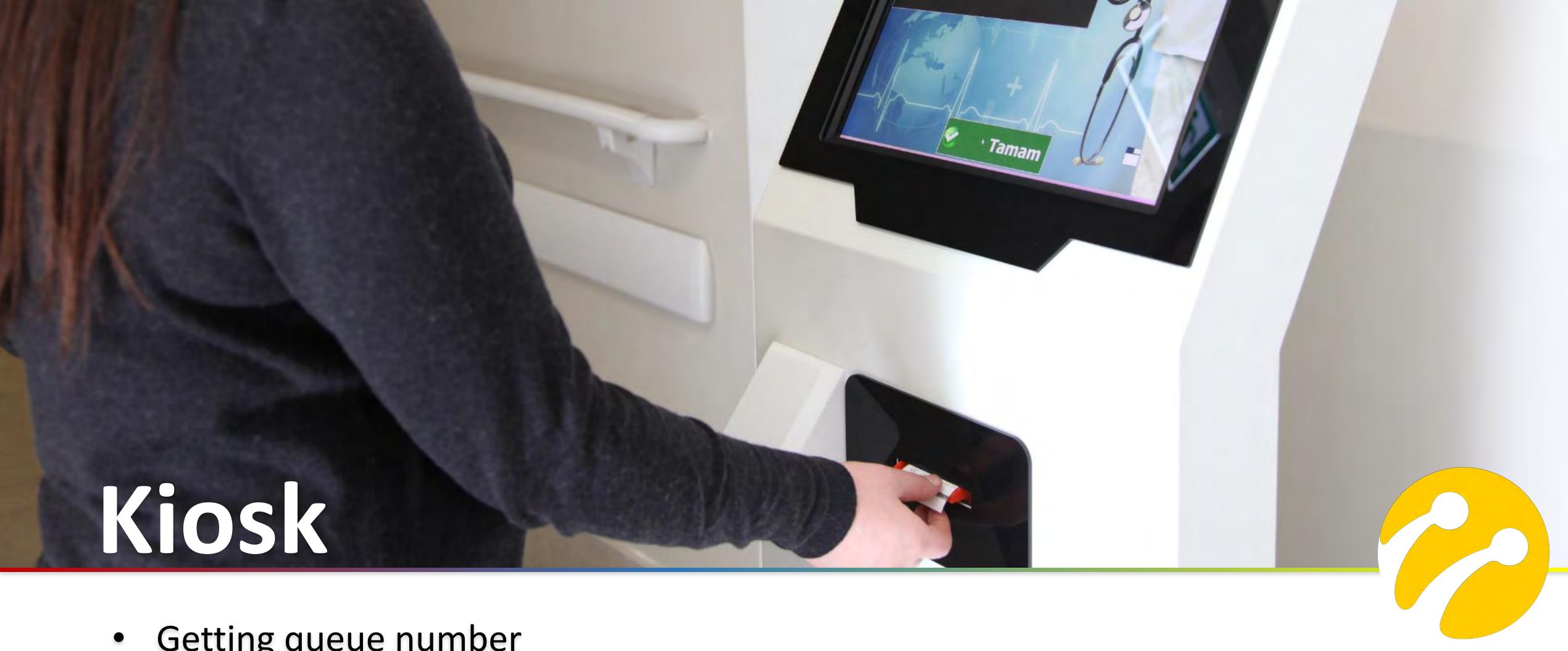


- Bed-side applications
- Bed-side medical record
- Medicine validation
- Service record
- Online access to patient records

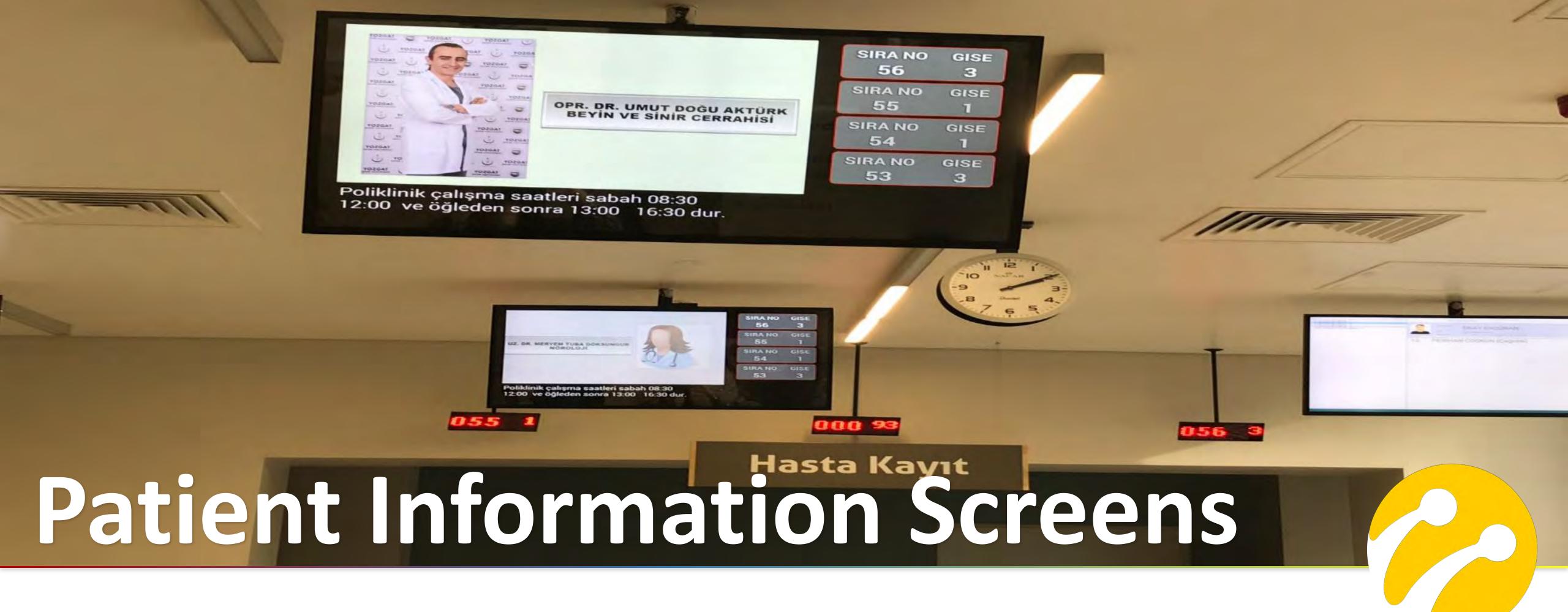


- Integration with RFID Systems
- Real time tracking solution
- New born safety
- Operation room patient tracking
- Asset tracking

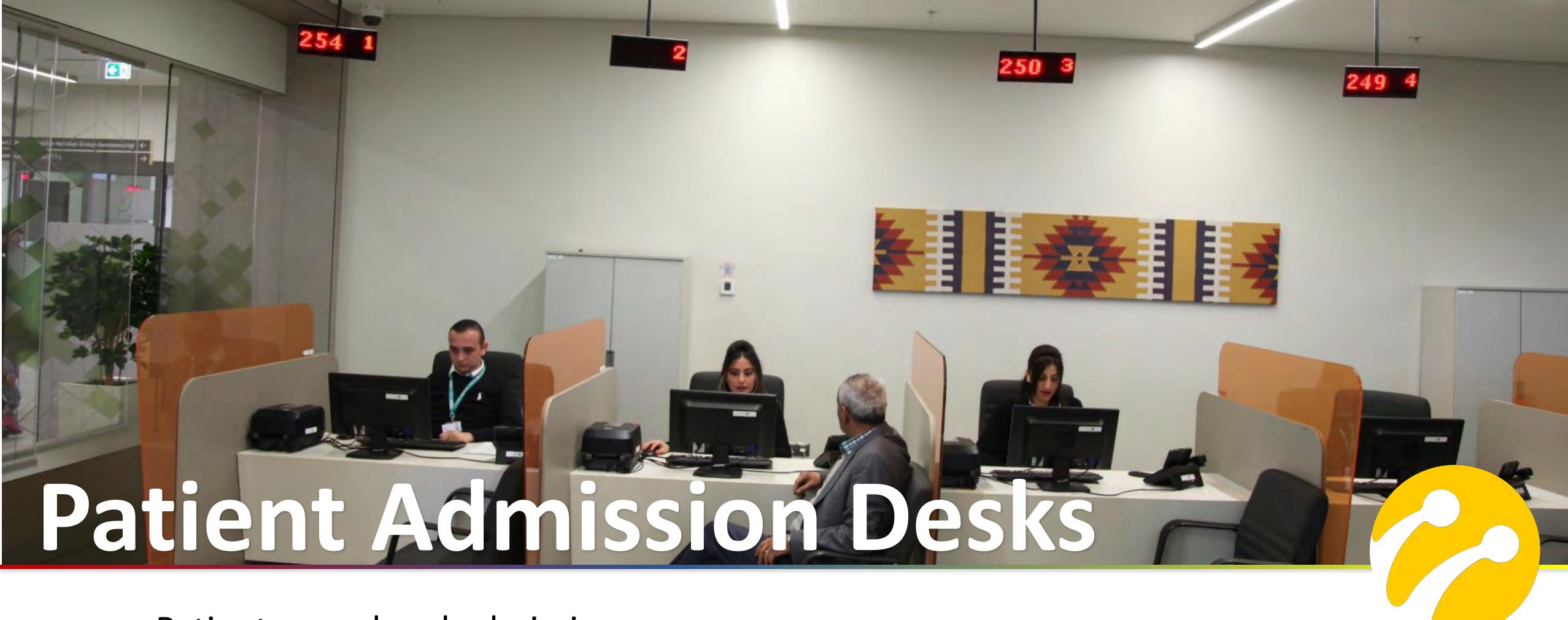




- Getting queue number
- Getting doctor appointment
- Self check-in
- Getting laboratory results



- Online doctor appointment follow-up
- Doctor information
- Patient guidance



- Patient record and admission
- Getting doctor appointment



- HIS & CCTV System Integration
- Instant action for the events like baby kidnapping



- 7/24 Service
- Insant call response
- Ticket dispatching

- Measurable performance
- Better service quality
- Lower costs

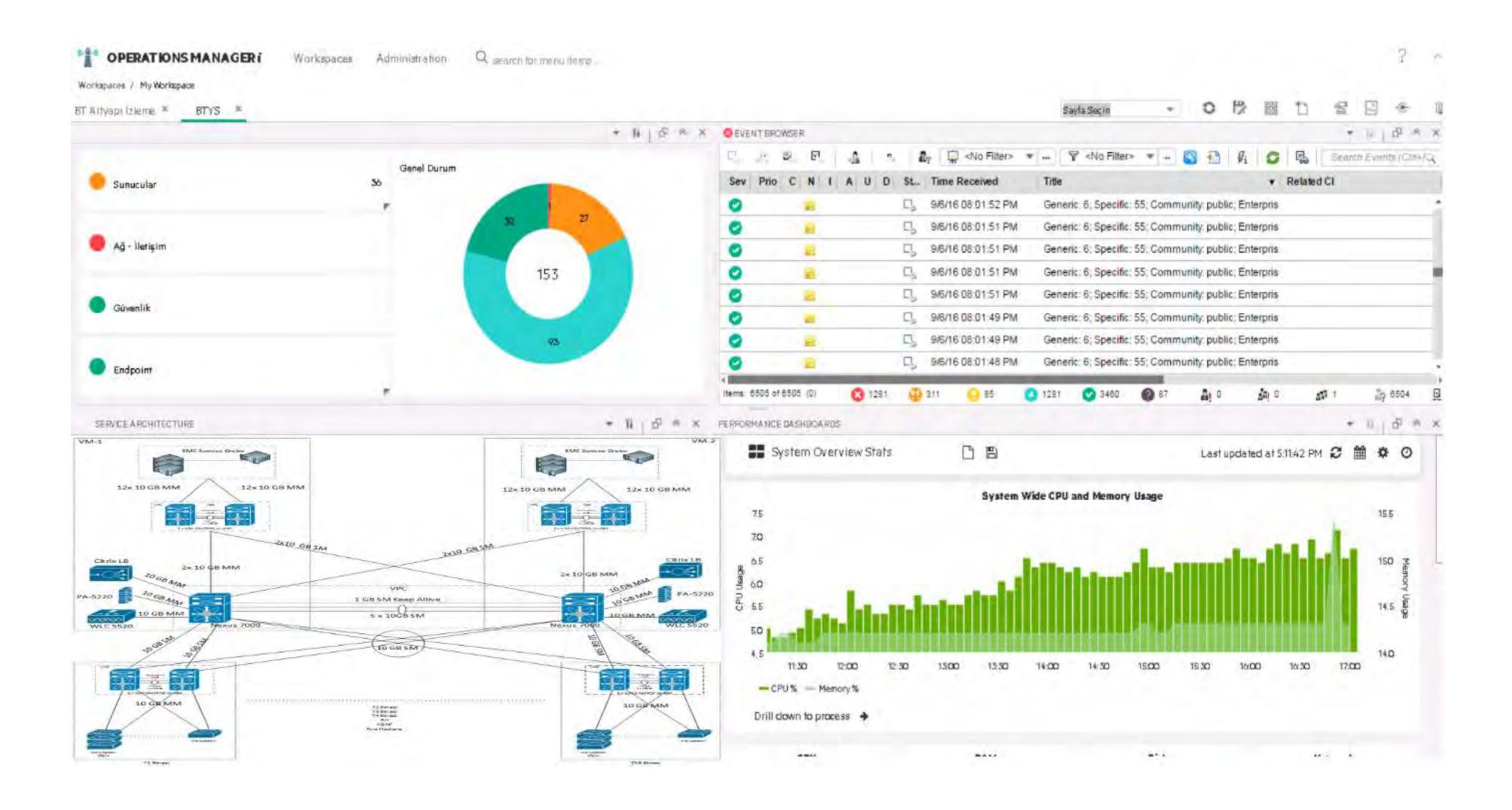
Serwice Operation Center

- 7/24 Online monitoring
- Remote Level2-Level3 support
- System performance and security checks
- System updates

IT Infrastructure Monitoring

8

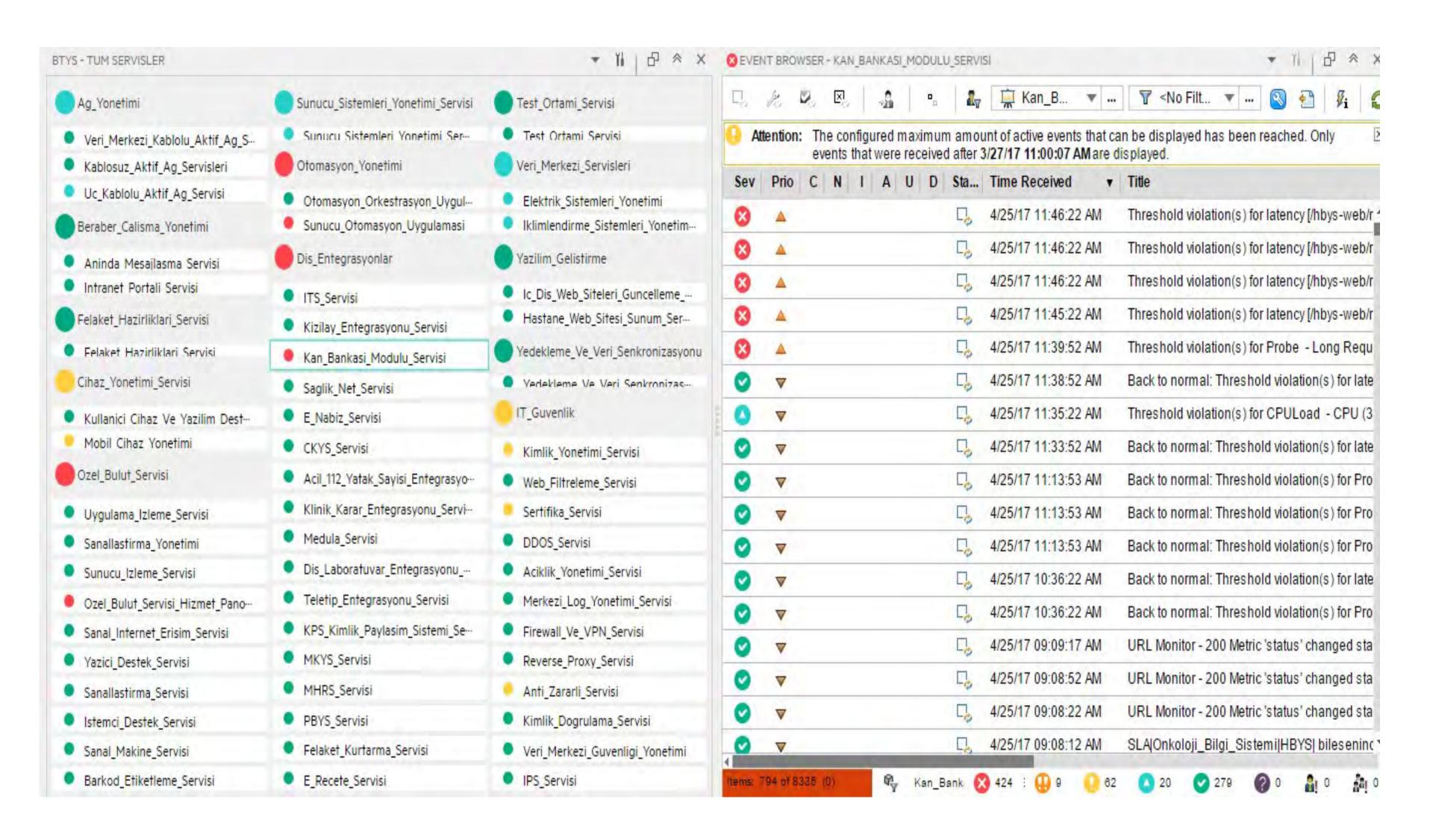
HIS Dashboard



IT Infrastructure Monitoring

8

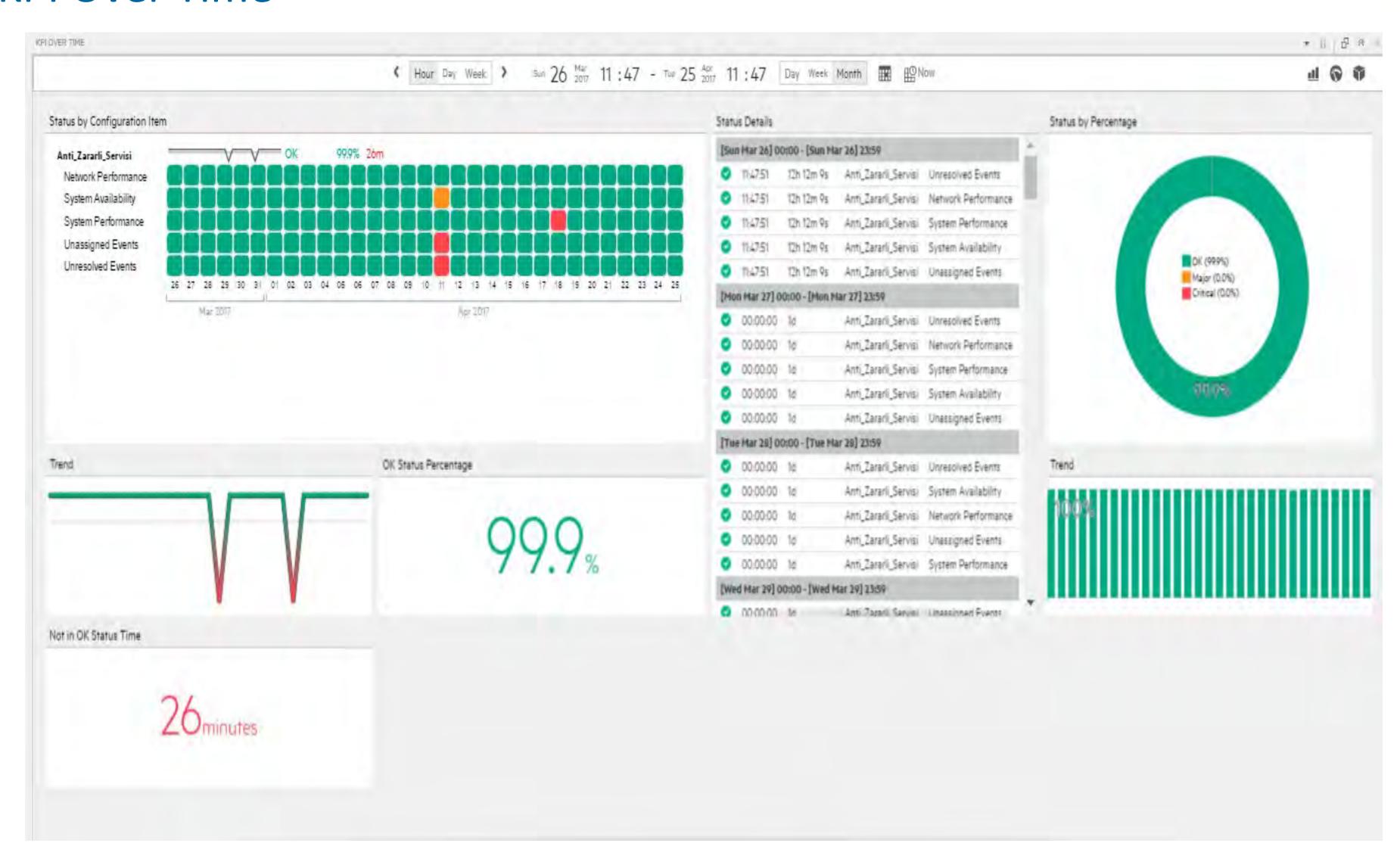
IT - All Services



IT Infrastructure Monitoring

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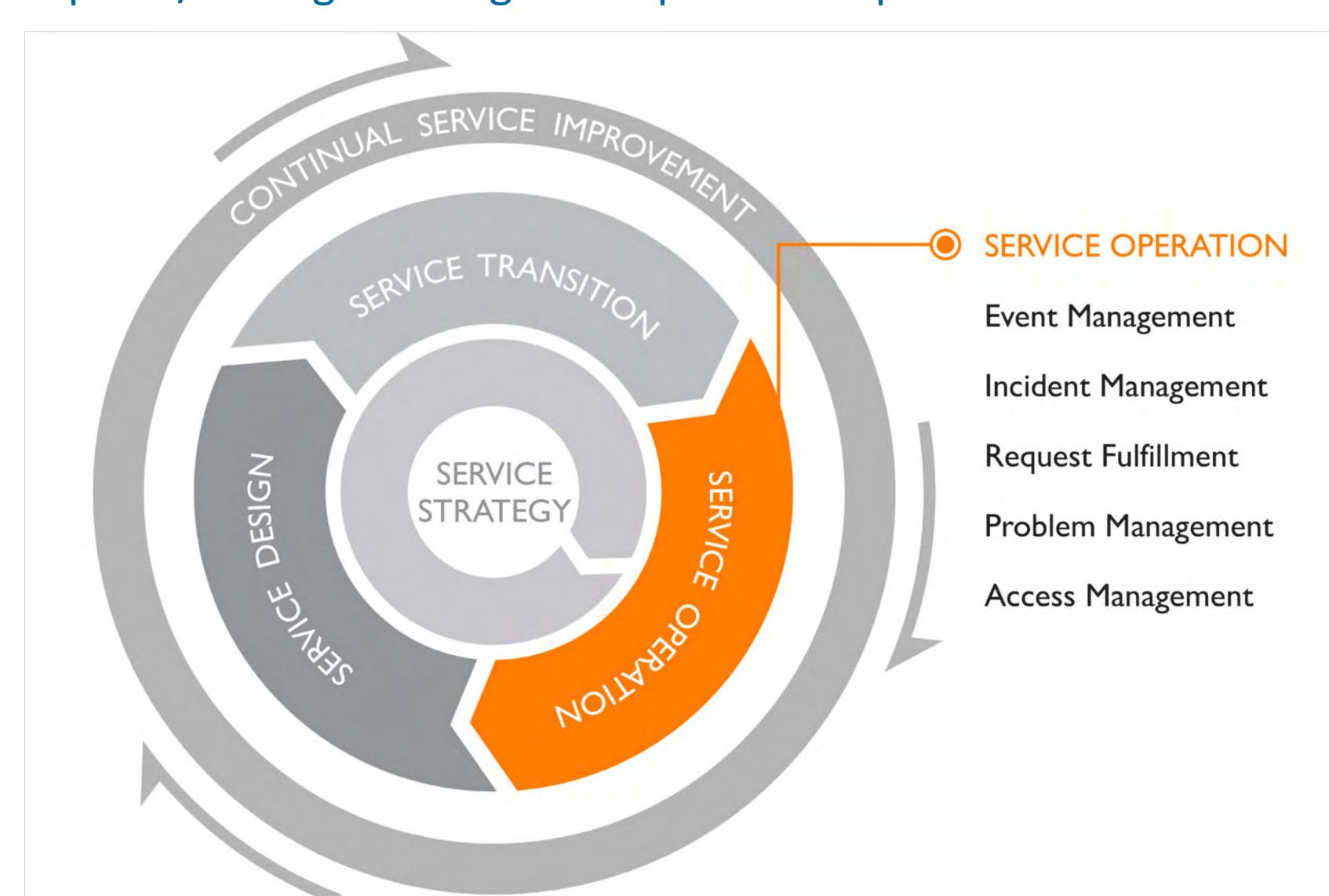
Network KPI Over Time



IT Service Management

ITIL Event / Request / Change Management process implementations with

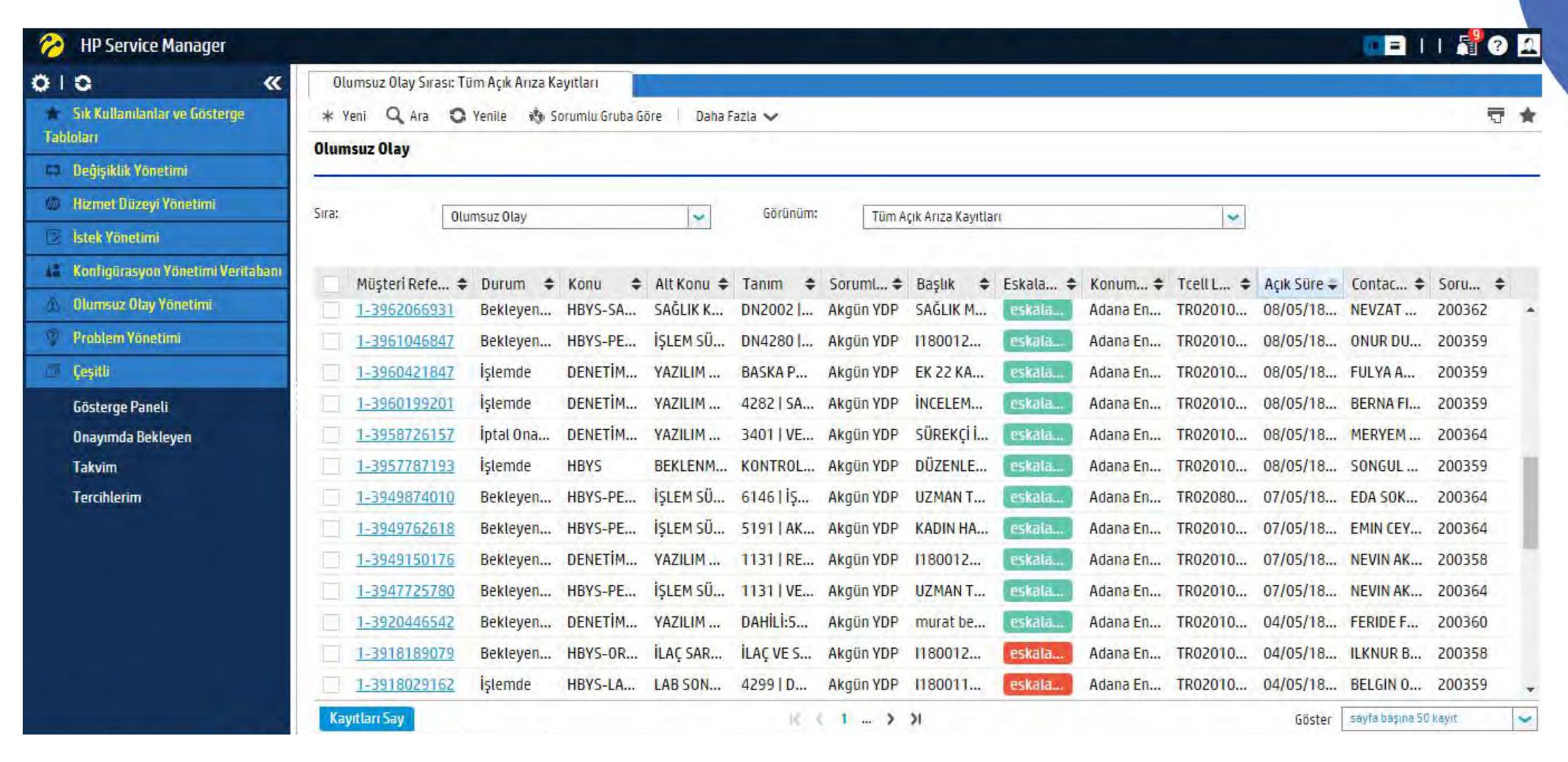
workflow





SLA Based Operation Management





- 7/24 Support for tickets
- SLA based operation management
- SLA based performance monitoring&reporting



End User Support

- 7/24 Onsite support
- Experienced technicians

Supported Devices for Yozgat Hospital:

- 775 PCs
- 65 Tablets
- 222 Printers
- 591 Barcode Writers/Readers
- 26 Kiosks
- 69 LCD Screens
- 310 Access Points
- 130 switches



