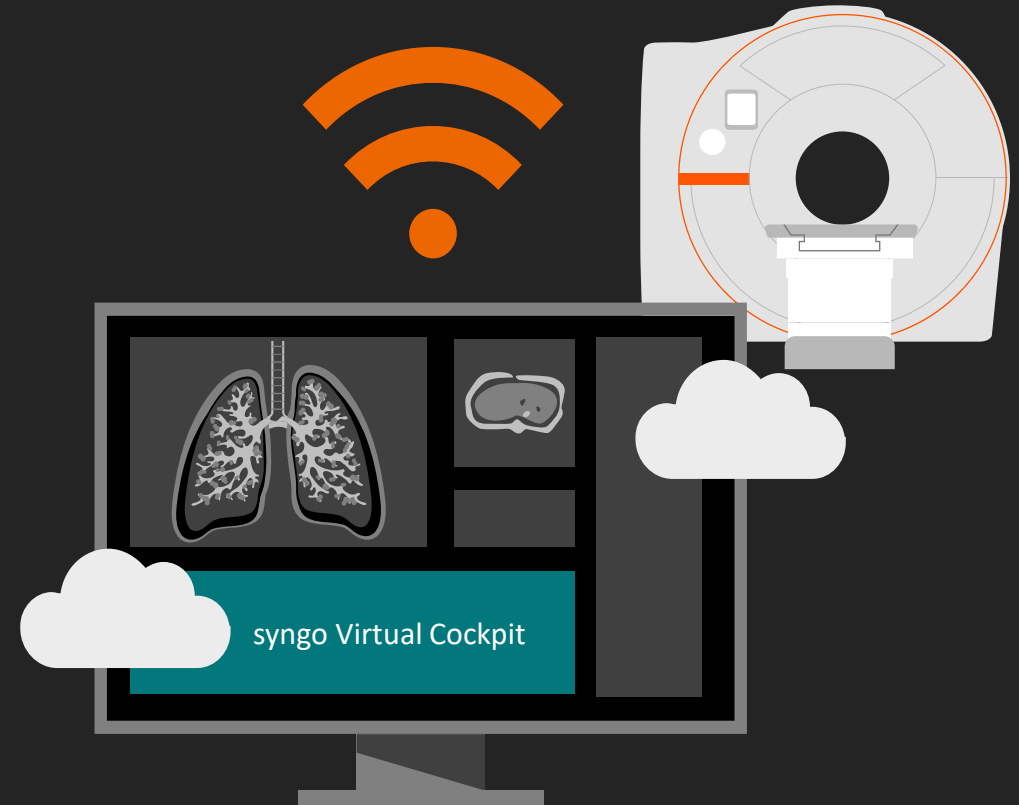
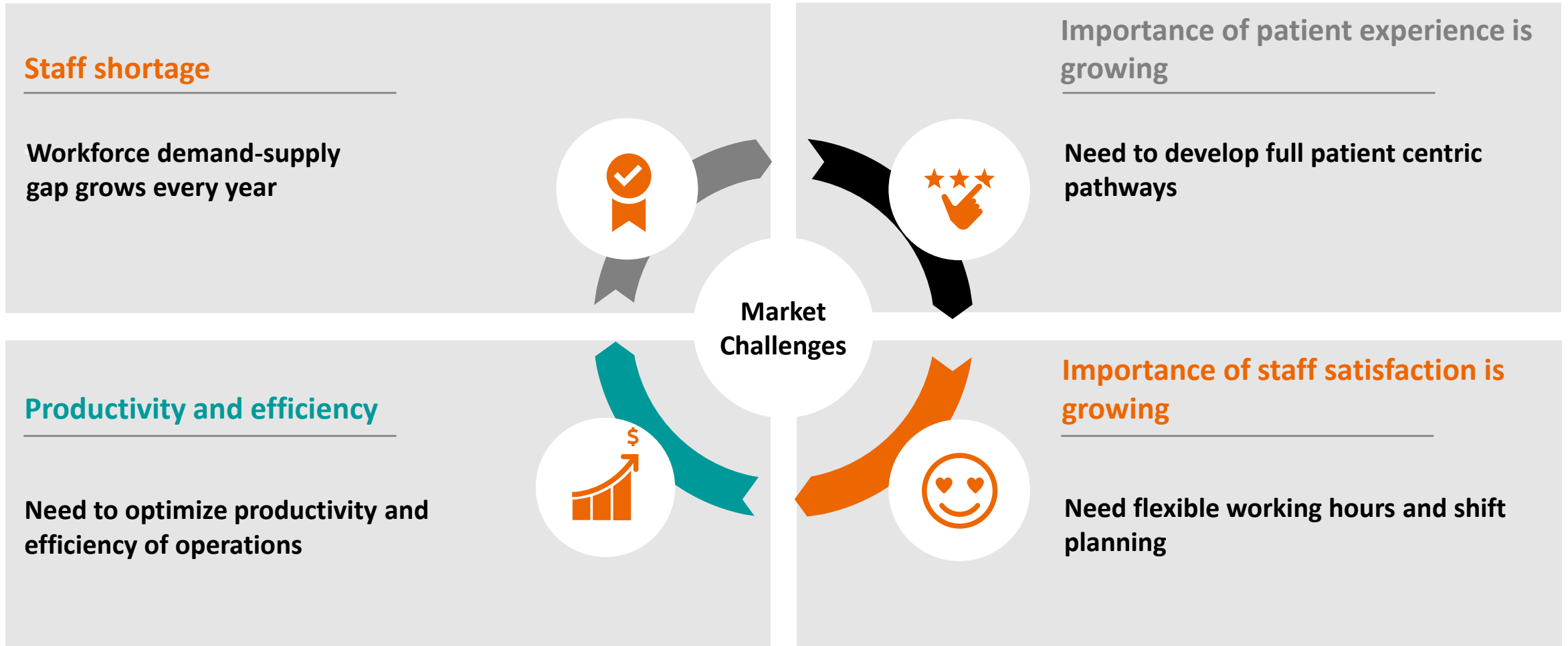


syngo Virtual Cockpit

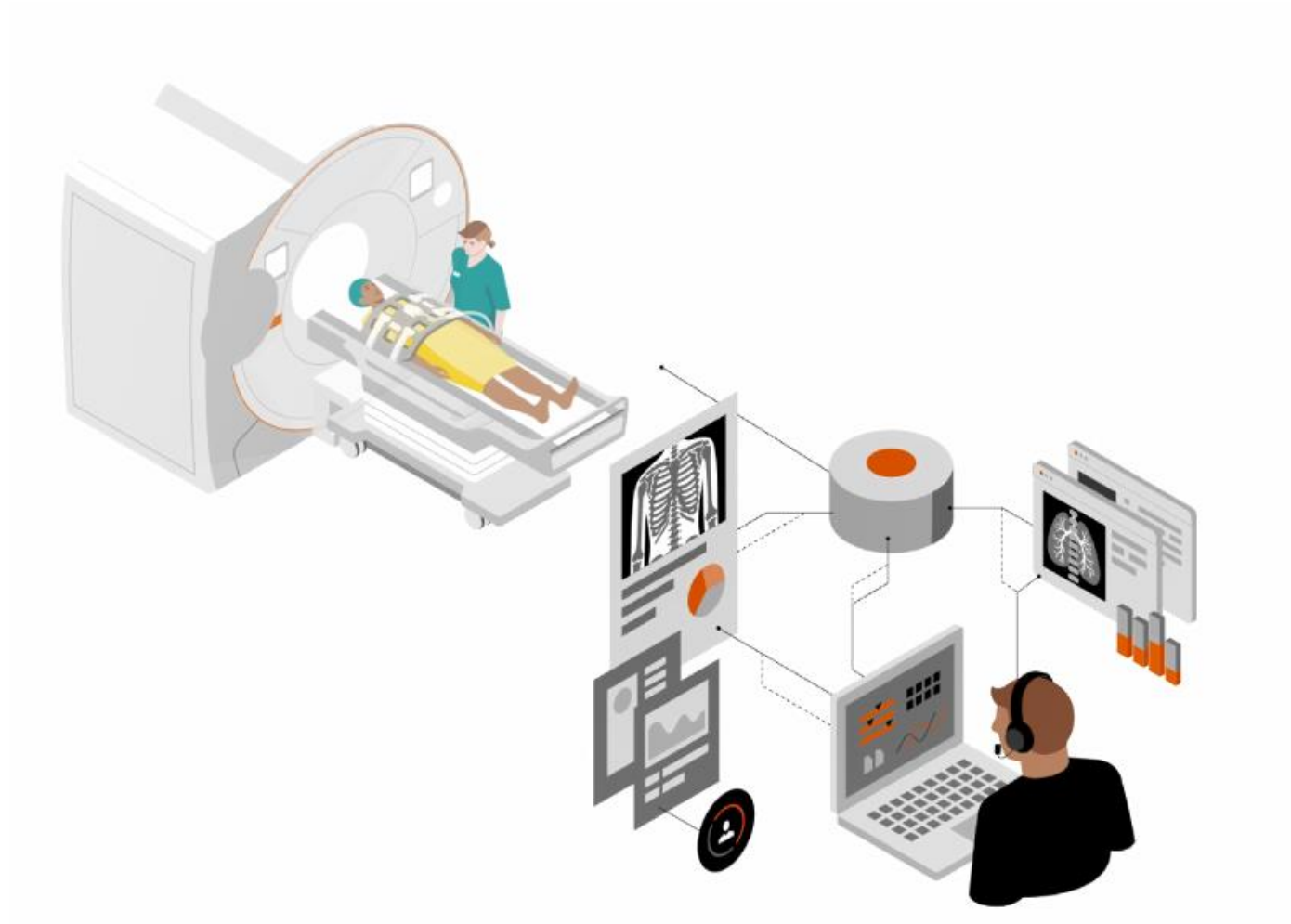
Move knowledge, not staff



Changes in the healthcare market continuously drive the further need for easy access, efficiency and expertise



Remote Scanning



Changes in the healthcare market continuously drive the further need for easy access, efficiency and expertise

Staff shortage

Workforce demand-supply gap grows every year



Importance of patient experience is growing

Need to develop full patient centric pathways



Market Challenges

Productivity and efficiency

Need to optimize productivity and efficiency of operations

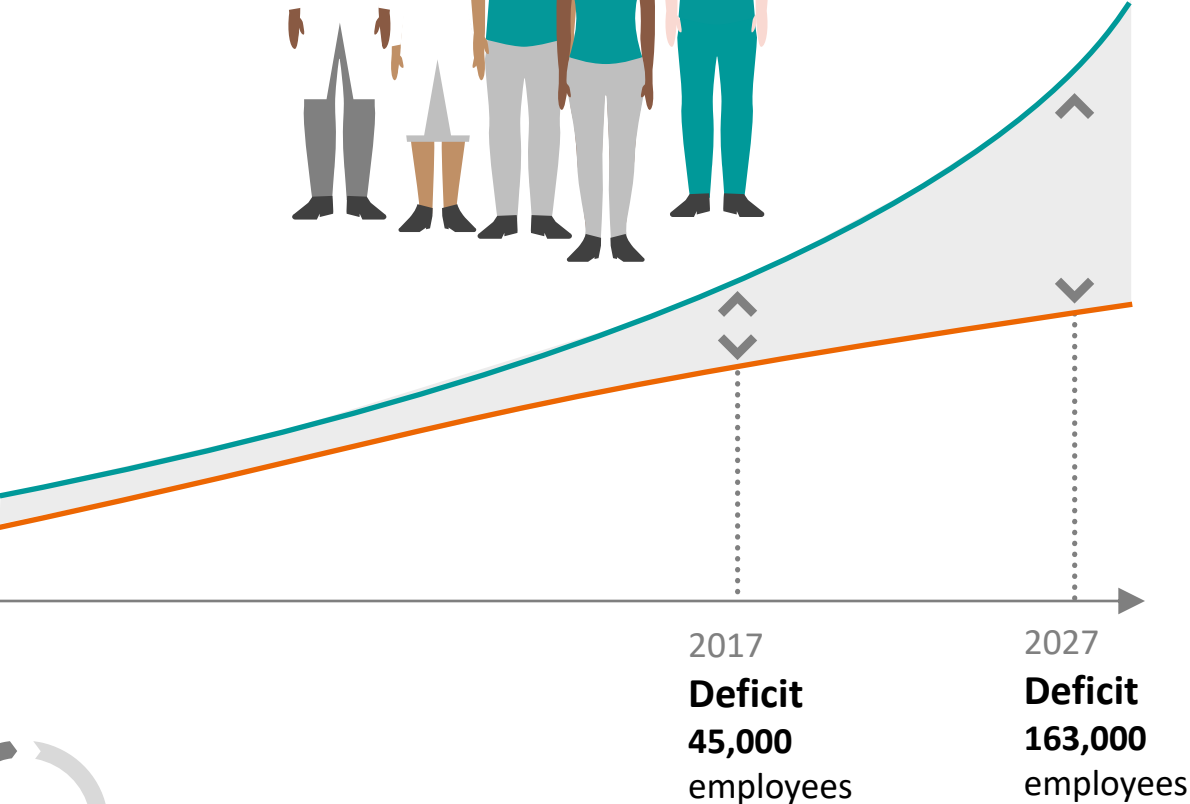


Importance of staff satisfaction is growing

Need flexible working hours and shift planning



Hospital staff is increasingly under pressure as workload grows



Workforce demand-supply gap grows every year by **14%**

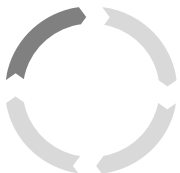
Increasing demand
Workload +2.7% p.a.



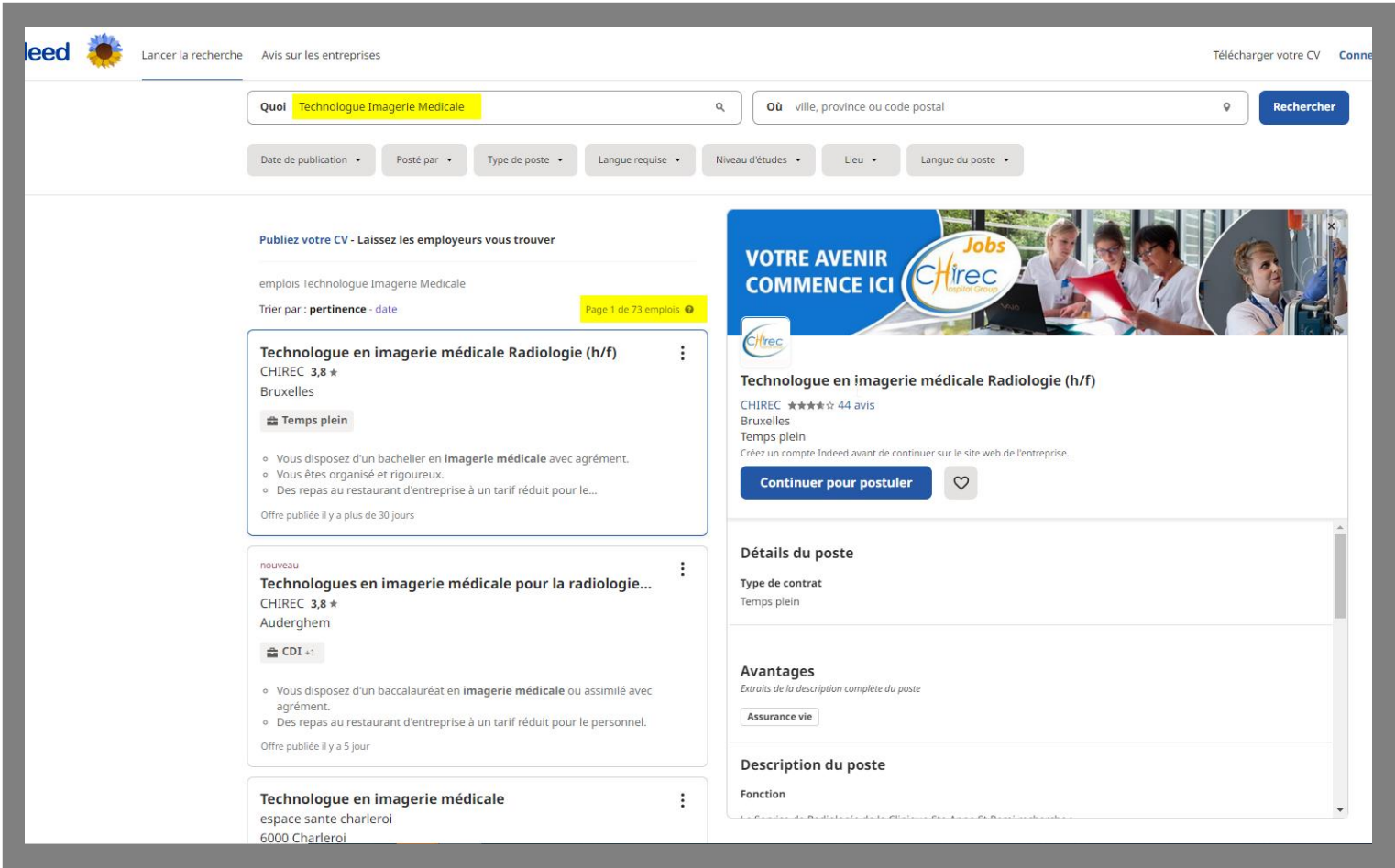
Flattening resources
Employees +1.2% p.a.



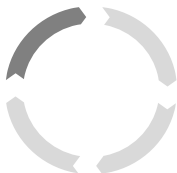
1) NHS, "Facing the Facts, Shaping the Future: A draft health and care workforce strategy for England to 2027", 2017



Open Vacancies in Flanders, Belgium



www.indeed.be, 25/10/2022



Hospital staff is increasingly under pressure as workload grows

Role Definition - History



MR User nr. 1



MR User nr. 2



Physician



Hospital staff is increasingly under pressure as workload grows

Role Definition - Today



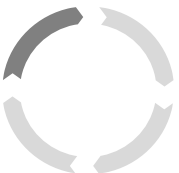
MR User nr. 1



MR User nr. 2



Physician



Hospital staff is increasingly under pressure as workload grows

Role Definition - Future



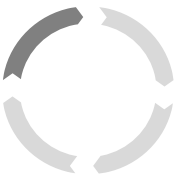
Patient Manager



Steering User



Physician



Hospital staff is increasingly under pressure as workload grows

Role Definition - Future



Patient Manager



Steering User

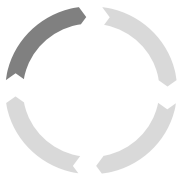
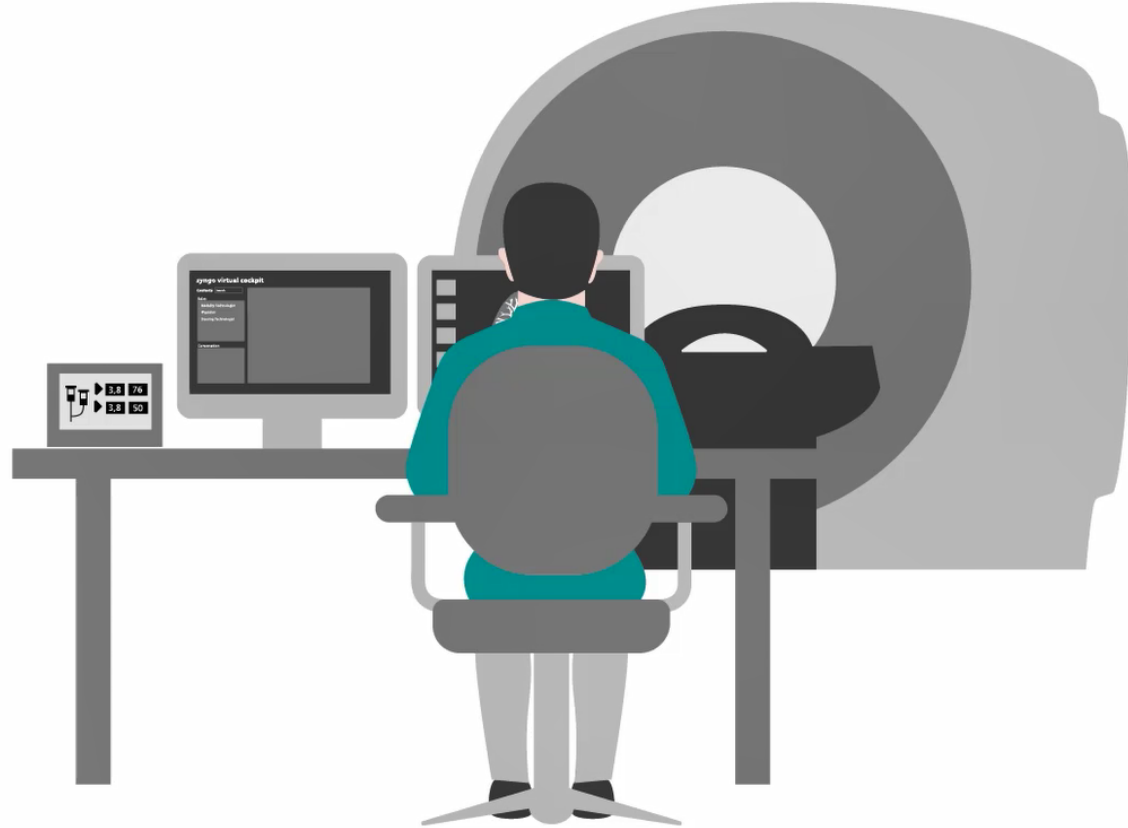


Physician



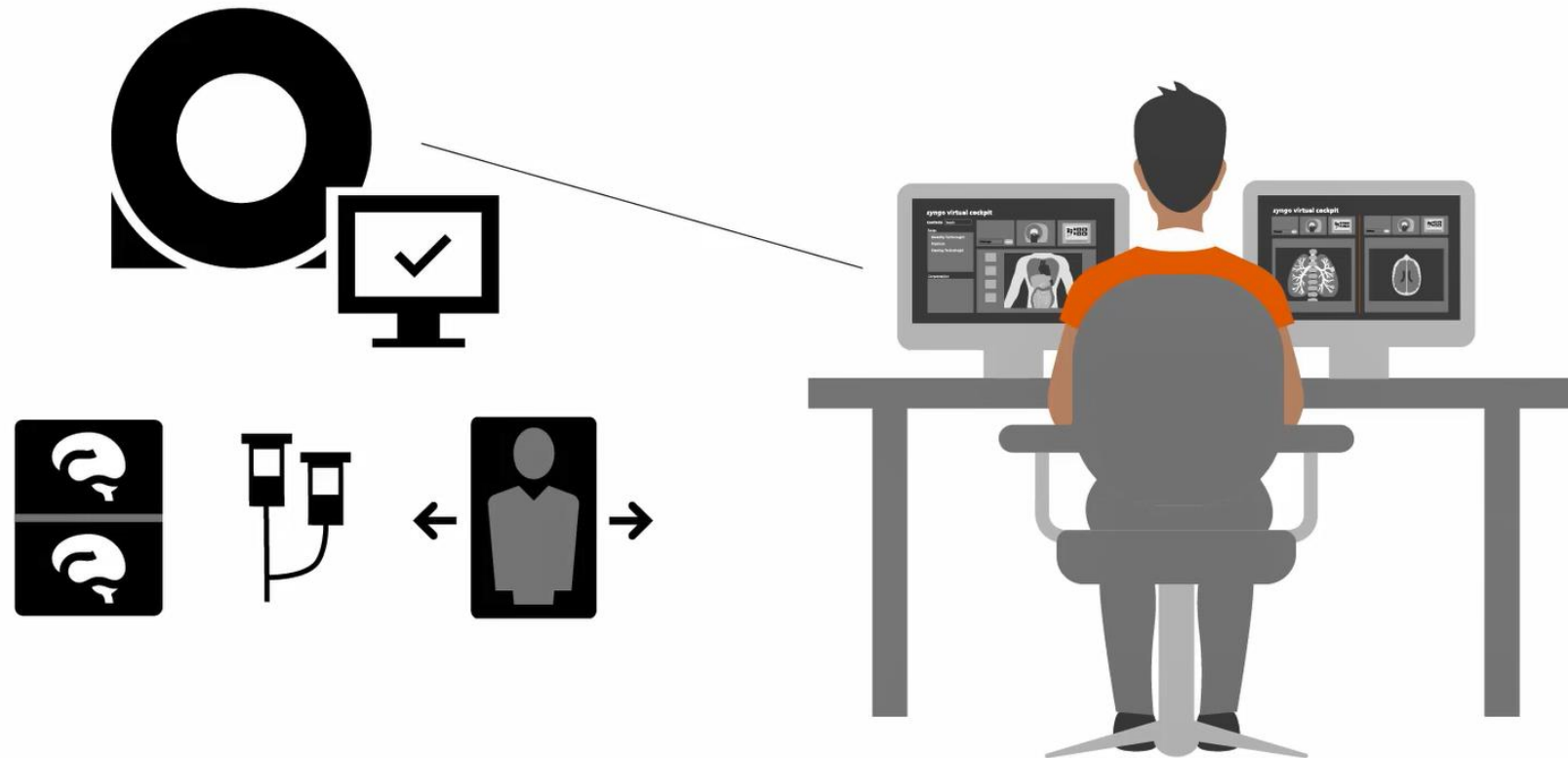
Hospital staff is increasingly under pressure as workload grows

Patient Manager

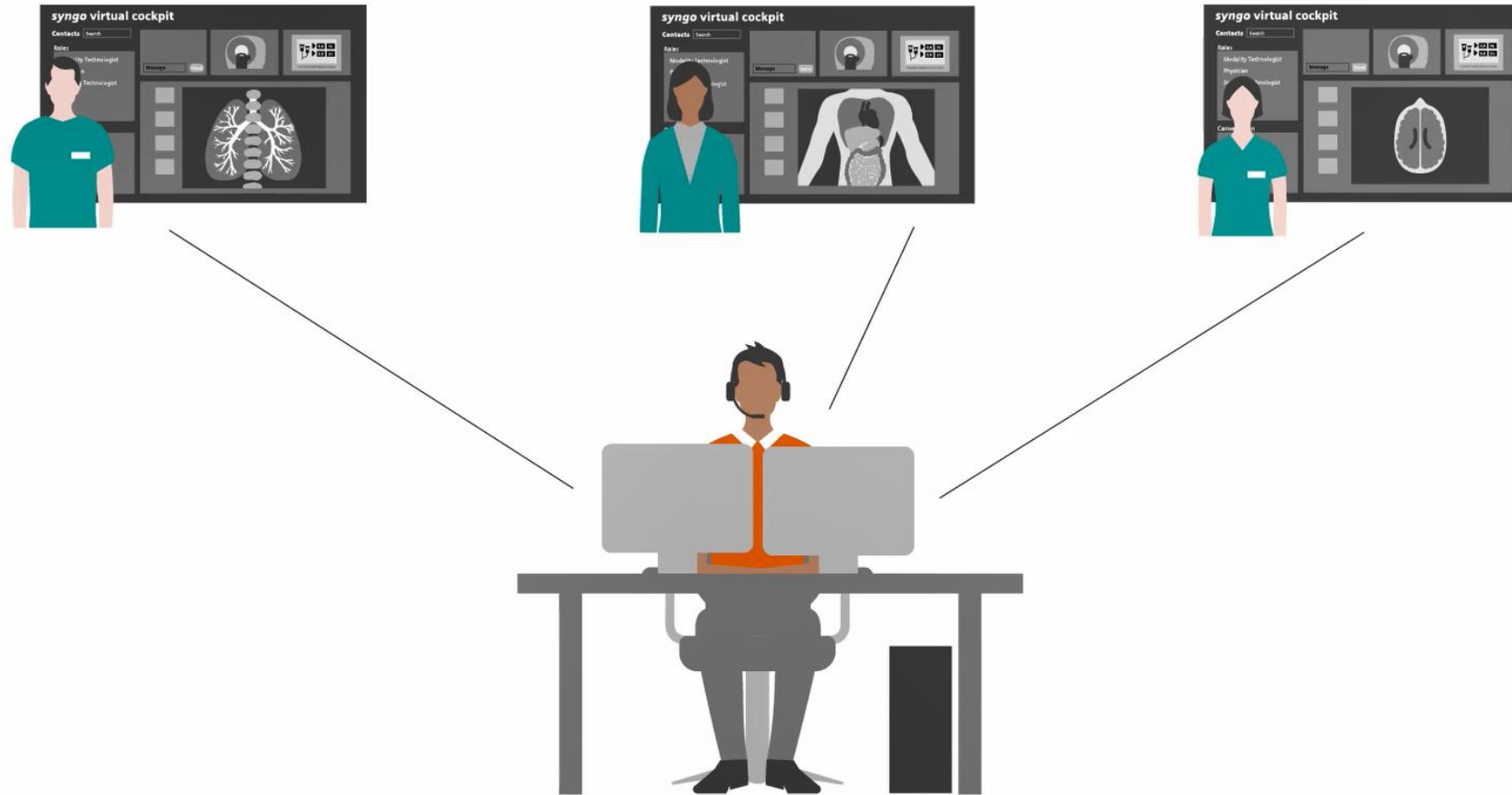


Hospital staff is increasingly under pressure as workload grows

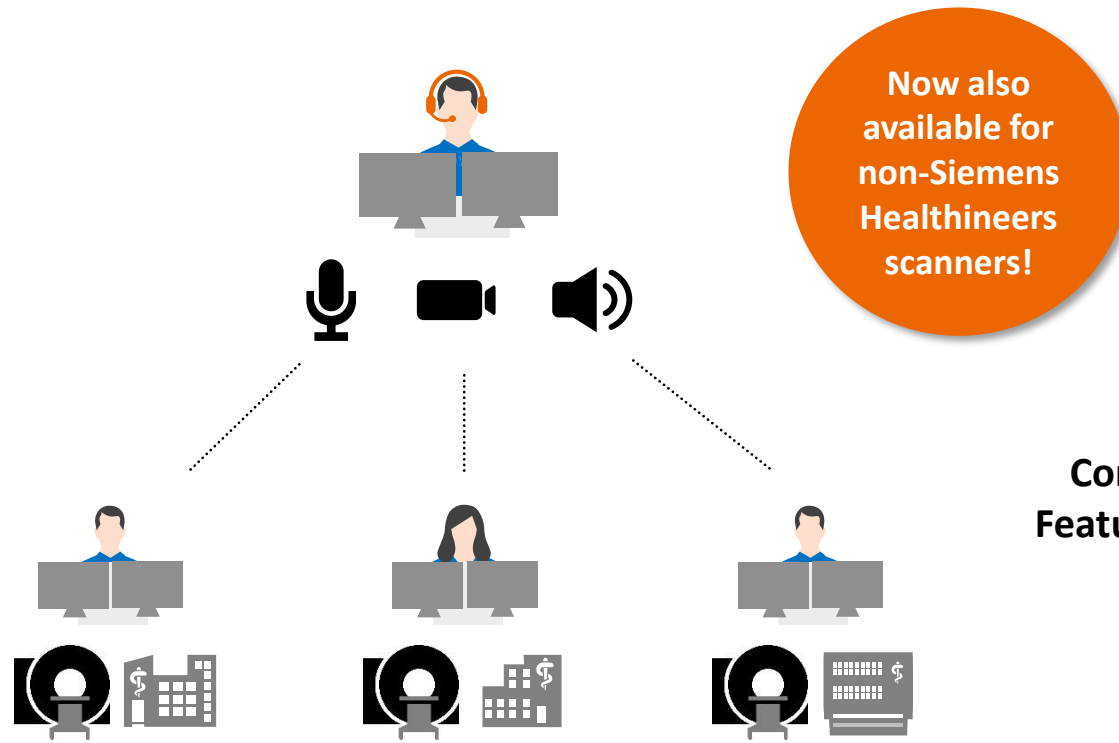
Steering User



Hospital staff is increasingly under pressure as workload grows

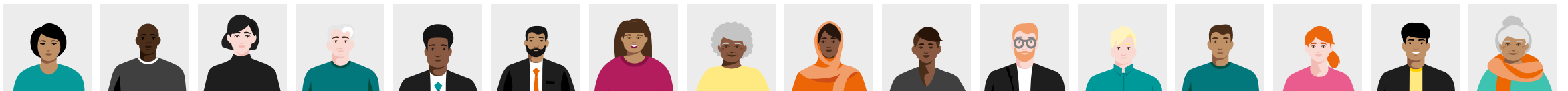


Hospital staff is increasingly under pressure as workload grows



Core Features

- Real-time knowledge sharing
- Live video, audio, and chat functions
- Simultaneous collaboration with up to three scanning workplaces
- Vendor Independent



Hospital staff is increasingly under pressure as workload grows



1 Communication

2 Control panel¹

3 Patient camera²

4 Contrast monitor

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Productivity and efficiency

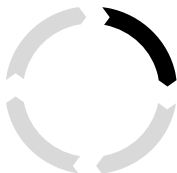
Need to optimize productivity and efficiency of operations

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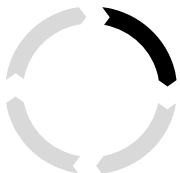
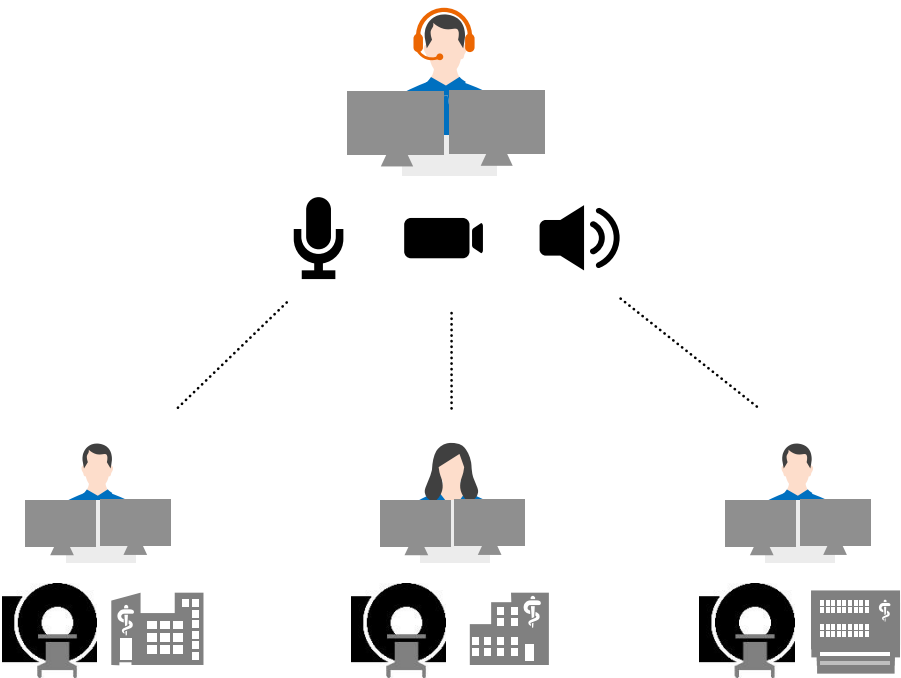
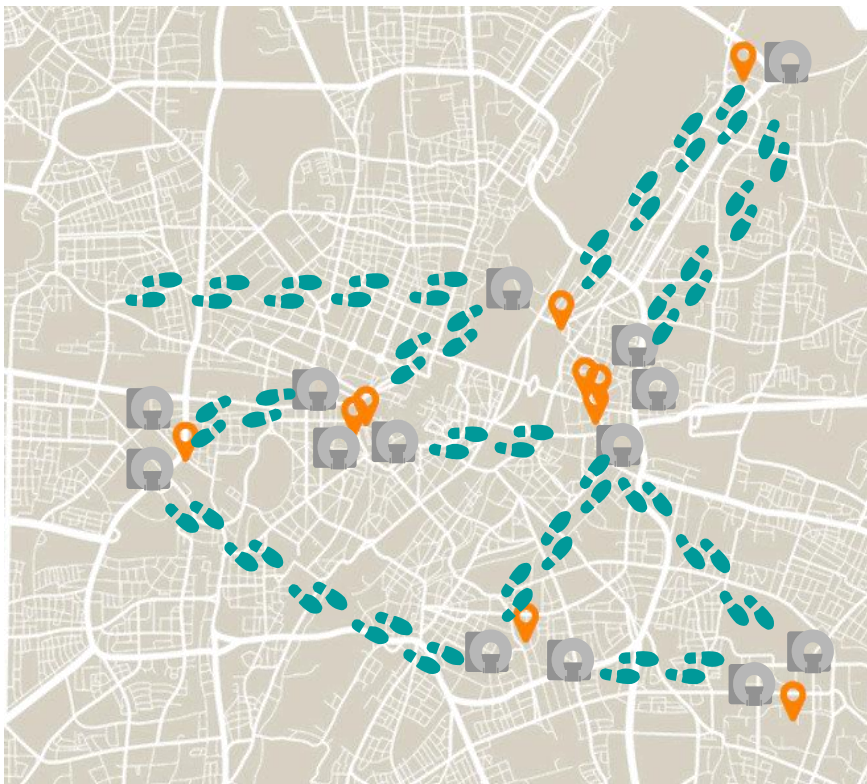
Need flexible working hours and shift planning

Market Challenges

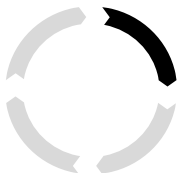
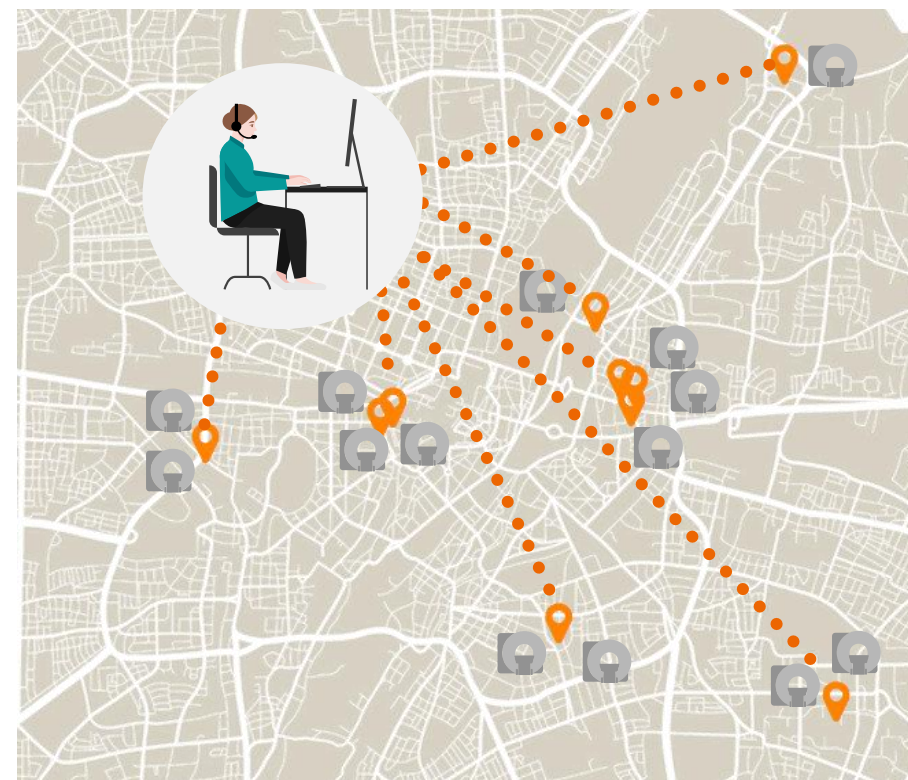
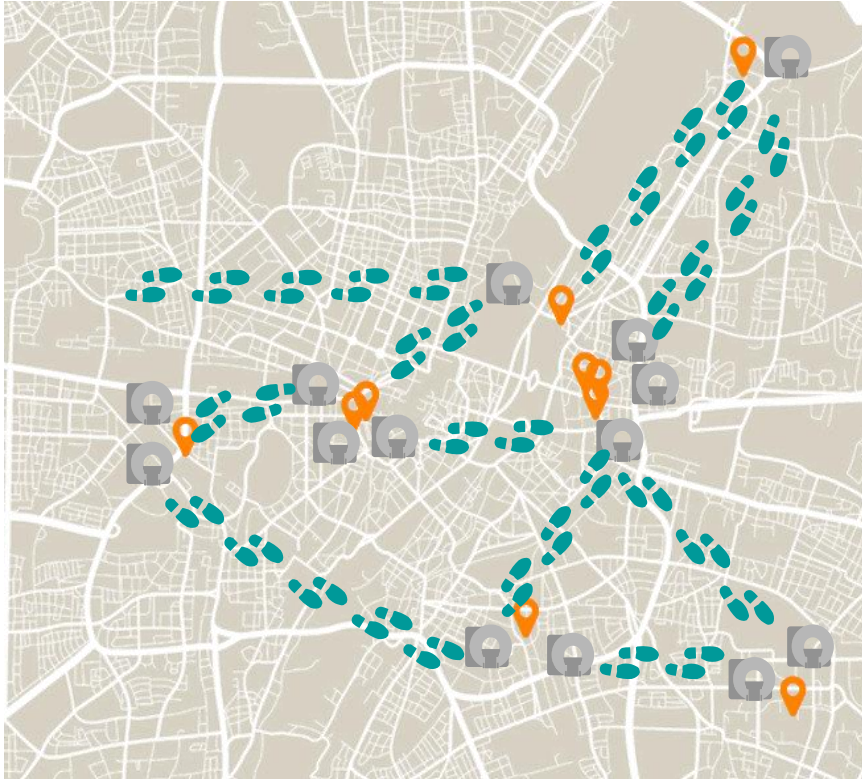
Importance of patient experience is growing



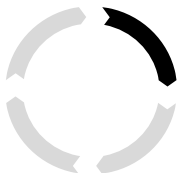
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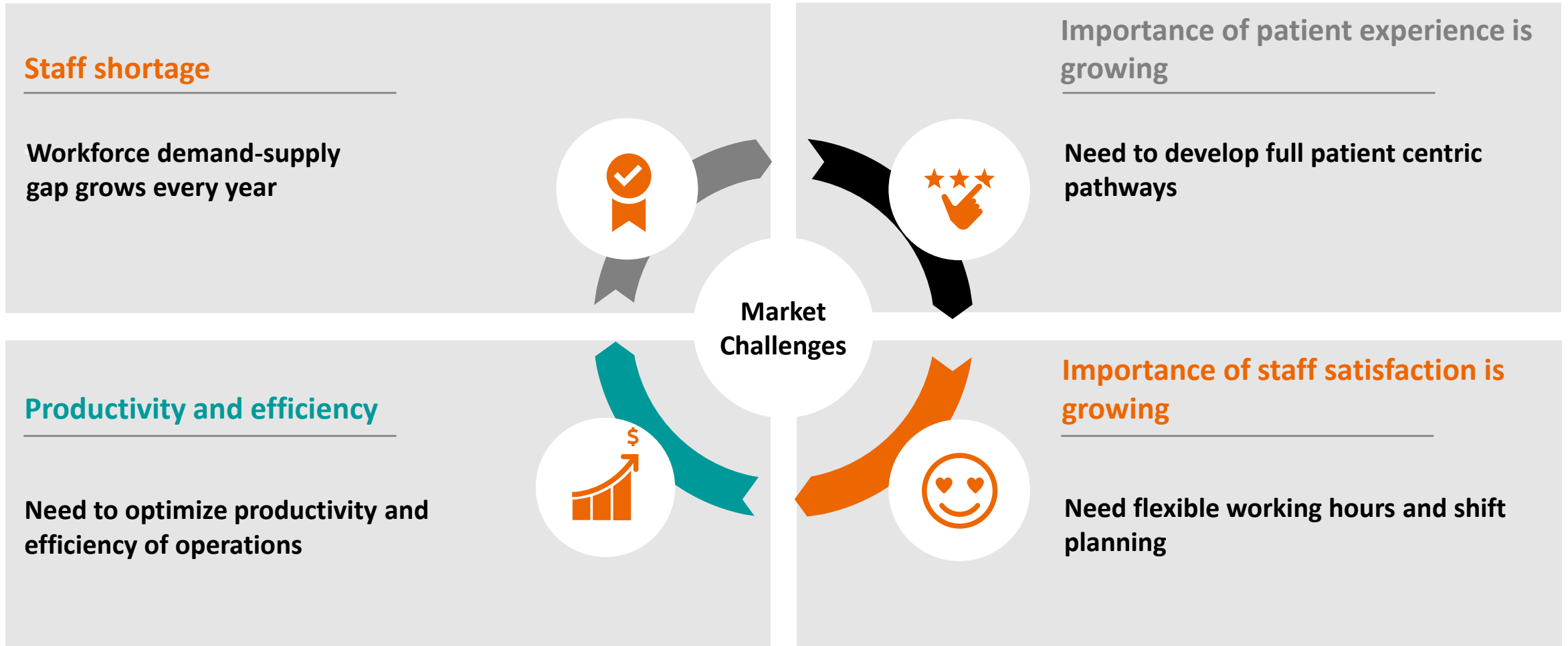
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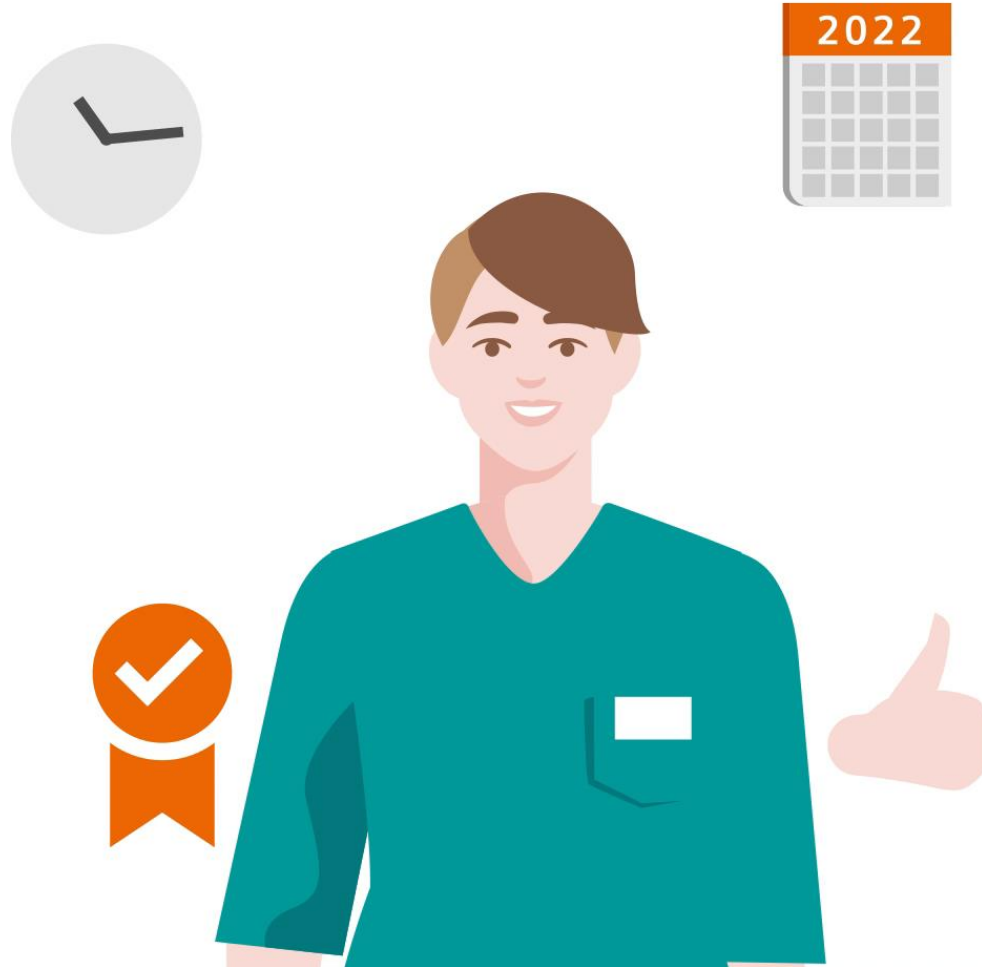
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University Hospital Radiology



Institute of Diagnostic and Interventional Radiology and Neuroradiology, University Hospital Essen, Essen, Germany

„One major advantage of syngo Virtual Cockpit is the chance as a technologist to work from home.“

Anton S. Quinsten, Chief Radiographer

Challenge

Increase process efficiency

- Support challenging and time critical cases during night shifts without wasted time
- Protect radiology staff from infection

Drive workforce excellence

- Lack of experienced technologists
- Long onboarding times

Standardize care

- Variations in exam quality

Solution

- Home office during night shifts creates the opportunity to deliver diagnoses faster and reduces the stress level of technologists on duty
- Moving the staff behind the COVID-19 frontline by doing home office more often
- Centralized expert technologists allow changed workflow at the scanners with less qualified staff
- Centralized expert technologists deliver continuous best image quality

Benefits

~ 90 scans

- 25%

Home Office



~ 90 scans per day are supported remotely by high qualified expert technologists

Access to different scanner types and a wide range of examinations in the centralized set up leads to reduced onboarding time of new staff.

Home office for technologists speed up the process in radiology while protecting their valuable time and the risk of infections

Productivity and efficiency – University Hospital Essen


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Challenge	Increase process efficiency	Drive workforce excellence	Standardize care
	<ul style="list-style-type: none">• Support challenging and time critical cases during night shifts without wasted time• Protect radiology staff from infection	<ul style="list-style-type: none">• Lack of experienced technologists• Long onboarding times	<ul style="list-style-type: none">• Variations in exam quality
Solution	<ul style="list-style-type: none">• Home office during night shifts creates the opportunity to deliver diagnoses faster and reduces the stress level of technologists on duty• Moving the staff behind the COVID-19 frontline by doing home office more often• Centralized expert technologists allow changed workflow at the scanners with less qualified staff• Centralized expert technologists deliver continuous best image quality		
Benefits	<div><div><div>~ 90 scans</div><div>- 25%</div><div>Home Office</div></div><div><div></div><div><div>~ 90 scans per day are supported remotely by high qualified expert technologists</div><div>Access to different scanner types and a wide range of examinations in the centralized set up leads to reduced onboarding time of new staff.</div></div></div></div>		

Productivity and efficiency – Advent Health


Radiology Network



Advent Health, Orlando, USA

“Our patients are experiencing improved access to care – outpatients can get scanned closer to home or work and inpatients do not need to be transferred to our main hospital.”

Ann Hester, MRI Service Line Modality Manager

Challenge	Extend clinical capabilities	Increase process efficiency	Improve access to care	
	Extensive cardiac examinations only offered at 1 site	Experts travelling to various sites	Patients travelling to site where examination is offered	
Solution	<ul style="list-style-type: none">• Pediatric and congenital cardiac examinations now available at 3 separate sites• MR supervisor supports all 3 sites from one single location• Appointment availability increased for patients across 3 sites from day 1			
Benefits	+ 38%	- 95%	\$150.000	0%
	Growth in cardiac examination revenue	Inter-Hospital patient transfers	Savings annually (transportation and length of stay)	Re-Scans or Re-Calls needed

The results by Siemens Healthineers customers described herein are based on results that were achieved in the customer's unique setting. Since there is no “typical” hospital and many variables exist (e.g. hospital size, case mix, level of IT adoption), it cannot be guaranteed that other customers will achieve the same results.

Summary - Remote Scanning

Scope of Application

*Move
knowledge,
not staff*



Home
Office ¹



Routine
Optimization



Waiting
Times



Bottleneck
Management



Training



Social
Distancing



Complex
Examinations

AND YOURS?



Special Use
Cases

¹ Connection needs to fulfill minimum bandwidth and latency requirements. Prerequisite is a secure VPN connection to the department network

Summary - Remote Scanning

Dream or future?





Q&A

Thank you