

# We care for digital healthcare







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For reasons of better readability, the use of the language forms masculine, feminine and diverse (m/f/d) is dispensed with. All references to persons apply equally to all genders.



## Agenda

- 1. Introduction
- 2. Status Quo
- 3. OPASCA GmbH
- 4. Solutions
- 5. USP
- 6. FAQ
- **7**. CTA



## Contacts

#### Introduction



Vorname Name Position OPASCA GmbH



Vorname Name
Position
OPASCA GmbH



Vorname Name Position OPASCA GmbH



Vorname Name Position OPASCA GmbH



## I am at your disposal for any questions

Your personal OPASCA contact



#### Vorname Name Position

OPASCA GmbH

- ♥ Franz-Volhard-Straße 3, 68167 Mannheim
- 🕲 +49 621 877537-XY
- +49
- ⊠ Vorname.name@opasca.com
- opasca.com



#### Vorname Name

Position

#### **OPASCA GmbH**

- ♥ Franz-Volhard-Straße 3, 68167 Mannheim
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OPASCA ...

... provides solutions for process digitisation in healthcare to improve the quality of care, free up specialist capacities and increase patient sovereignty.



# OPASCA ensures that patients and staff are ready for treatment in a timely manner so that the entire clinical process can be carried out safely, efficiently and successfully.



## OPASCA is developing a human-centred (digital) platform solution that connects and supports the patient and all other healthcare stakeholders to get well, be well and stay well.



## Our vision is to be the central point of access for every person, ensuring the best possible outcome individually for them in the healthcare system at all times.



### We care for digital heathcare. OPASCA in numbers





# The beginning 2010



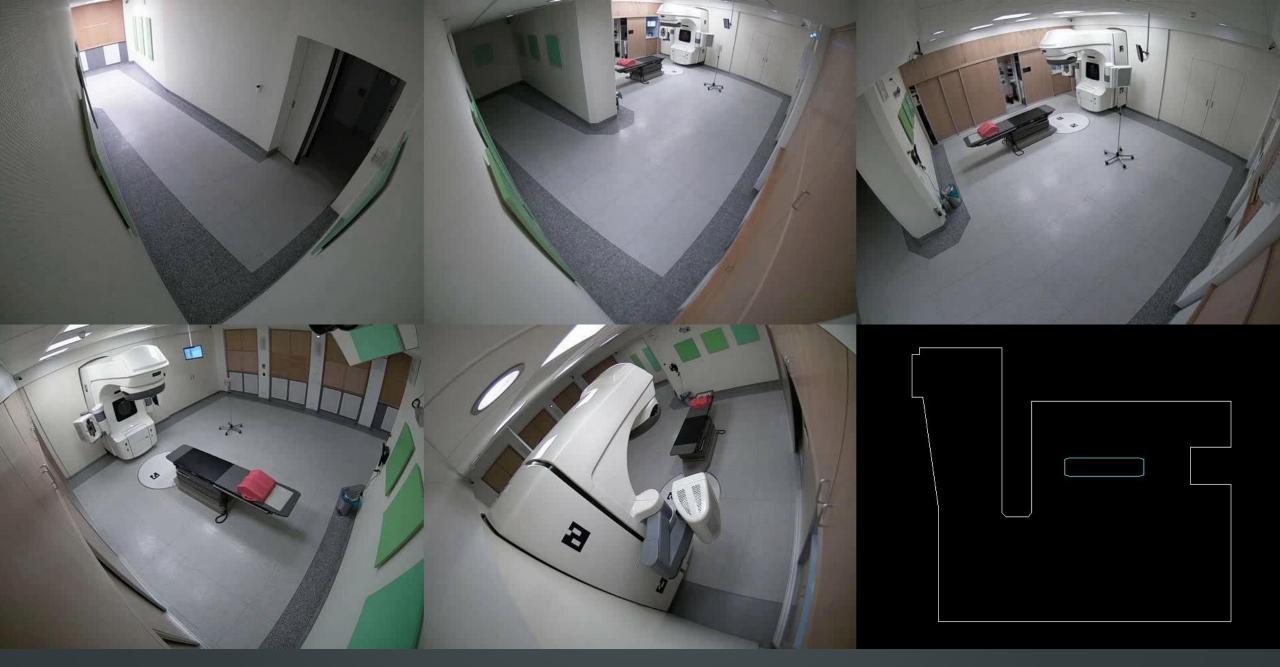


## The first product

2011



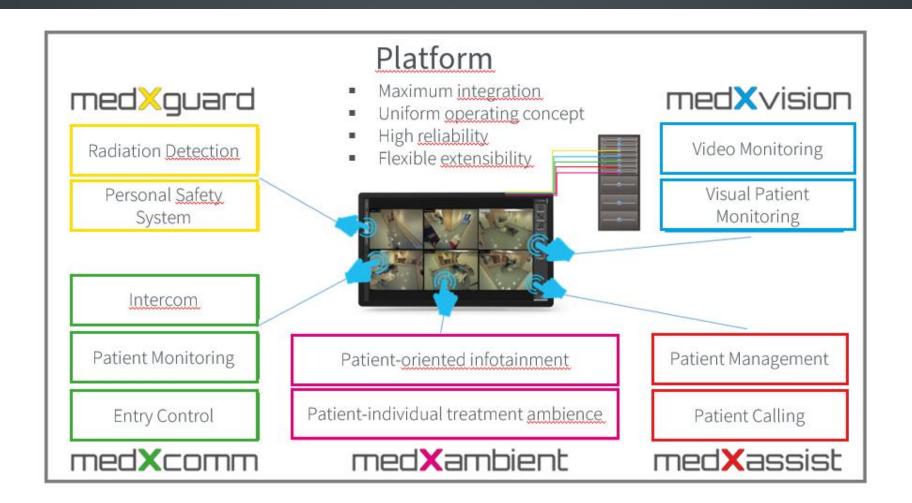






## From the bginning:

The platform basis





# STRAHLENTHERAPIE RADIOTHERAPY

Processes Stakeholders

Premises

Devices

Data



## Industrie 4.0 & Health 4.0

A short introduction

## Role model: Industry 4.0

"Intelligence, networking and production are the key factors of Industry 4.0." <sup>Prof. Dr. Johanna Wanka</sup> Former Federal Minister of Education and Research

## Health 4.0

"Intelligent interconnectivity for a patient-centred everyday life in healthcare." OPASCA 2016



## About OPASCA

#### Management and founders



#### Dr. Alexej Swerdlow

#### CEO

Sets the course for sustainable corporate success in the digital age with his broad know-how and distinctive functional understanding of excellence in process management.



#### Dr.-Ing. Timo Machmer

#### СТО

Ensures innovation-driven and sustainable business development with customercentric consulting and a high level of sensitivity to undiscovered market needs.



## Steffen Liebscher

His business acumen, combined with agile development skills, leads to user-oriented and scalable solutions.





# 10+ years of experience

- Founded: 2011, Headquarters: Mannheim, Germany
- More than 80% of company shares in founders' hands
- In-house development, several patents
- 70+ employees
- 160+ successful projects
- >50% of the top 40 hospitals in Germany use OPASCA
- Since 2013 market leader for safety solutions in radiotherapy
- Since 2015 workflow digitization throughout the hospital
- Since 2019 global sales via partners

## About OPASCA

#### Company development & evolution

2010-2014	2014-2016	2017-2018	since 2020
Focus: Safety in Radiotherapy	Development: Patient involvement	Evolution: Workflow digitalization	Scaling: Hospital-wide application
<ul> <li>Establishment &amp; proof-of concept</li> <li>Meeting legal requirements for safety</li> <li>Technology transfer &amp; state-of-the-art usability</li> </ul>	<ul> <li>Supporting patient reported outcome with ambience</li> <li>Increase safety level for patients</li> <li>Patient engagement through involvement</li> </ul>	<ul> <li>Interconnectivity and data consolidation</li> <li>Reduction and automation of administrative/manual processes</li> </ul>	<ul> <li>High integration capability</li> <li>Agreements with industry partners</li> <li>Setup of distribution network</li> <li>International markets</li> </ul>
Market leadership in in innovative safety solutions	Increase of customer acknowledgement and market shares	Unique solution for efficiency improvement & ressource management	Multidisciplinary end-to- end-solutions for hospital workflow management
2014: +250% (YoY)	2014-2018: CAGR 43%	first >EUR1,0m RT account	first >EUR4,0m non-RT acc.



## About OPASCA

#### Company development & evolution



#### since 2012:

Technology and market leadership in DACH for innovative personal safety solutions in radiotherapy



#### since 2013:

**"Developing the products of the future together with our customers."** Our corporate philosophy convinces customers worldwide



#### since 2015:

The requirement of interoperability of the different systems and manufacturers with each other becomes a prerequisite for large-scale equipment procurements.



# since 2016: The initiative "Radiotherapy 4.0.", launched by OPASCA, is becoming synonymous with digitalisation in radiation oncology

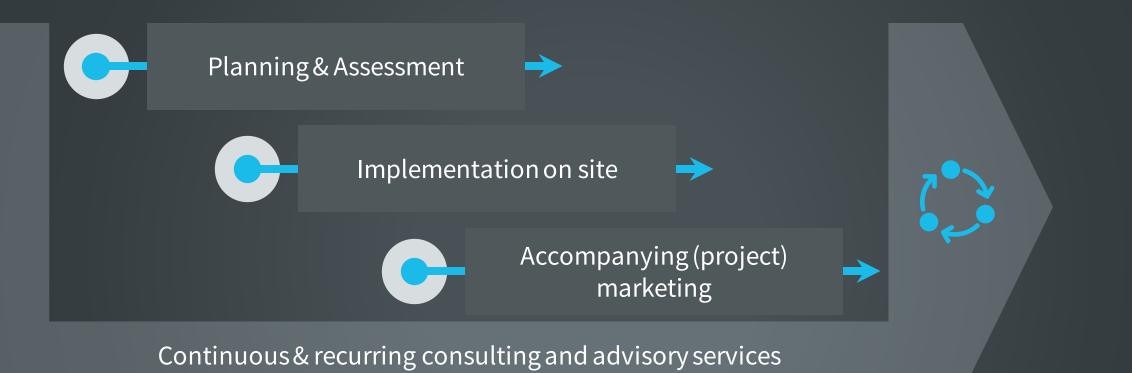


#### since 2018:

The **OPASCA Users & Friends Meeting** is a unique **forum for strategic digitisation and networking** in the professional community.



## We approach a project holistically and in a client-specific way



For us, a project is the beginning of a long-term partnership with which we continue to develop, supporting our customers and users in their everyday lives.





About OPASCA

Clinics (outpatient/inpatient)Radiotherapy

 General practitioners (medical practices)

We care for digital healthcare. Since 2011.



# Digitalization in the clinic



## Focus on the people

#### Patients want ...



OPASCA uses AUTOMATION and DIGITISATION as a tool for significantly reducing the workload of the specialist staff in routine workflows and consistent focusing of clinic workflows on the PATIENT.





#### Patients ...

- ... want to make an appointment quickly.
- ... want to know how long they will have to wait.
- ... expect transparency and comprehensible information about their treatment.
- ... have the right to participate.
- ... prefer the use of modern technologies.
- ... compare doctors and clinics with each other.
- ... want to feel safe and have confidence.
- ... inform themselves independently about treatment offers.
- ... are also ourselves.
- ... are also ourselfs.



## Medical staff ...

#### ... is a limited resource.

- ... feels increasingly confronted with administrative activities.... has to deal with constantly growing legal and regulatory requirements.
- ... is restricted in productivity, efficiency and transparency by IT island solutions, among other things.
- ... prefers a modern working environment and is in favour of technical assistance systems.
- ... is subject to constant cost and competitive pressure.



### OPASCA ...

- ... offers a modular multi-instance platform with more than 50 features that enable end-to-end workflow digitisation.
- ... digitally maps the different patient pathways in outpatient and inpatient healthcare.
- ... overcomes system boundaries through secure and standardised interfaces.
- ... offers interaction options without media discontinuity and active participation options for patients.
- ... helps to reduce overtime, save costs, minimise delays, idle time and waiting times.
- ... increases the quality of care, patient satisfaction and the satisfaction of specialist staff.

### Patient sovereignty

OPASCA involves the patient in his treatment process...





OPASCA connects people and information with modern technology to ensure safety, transparency and efficiency in all healthcare processes.



## Reduction of workload

... and opens up digital access to all information for the staff





OPASCA overcomes system boundaries in order to dismantle isolated solutions and to relieve professionals of everyday practical activities through digitalisation and to enable efficient use of resources.





## Safety Suite

More than just meeting legal requirements:

The **Safety Suite** creates a high safety standard for patients and staff.



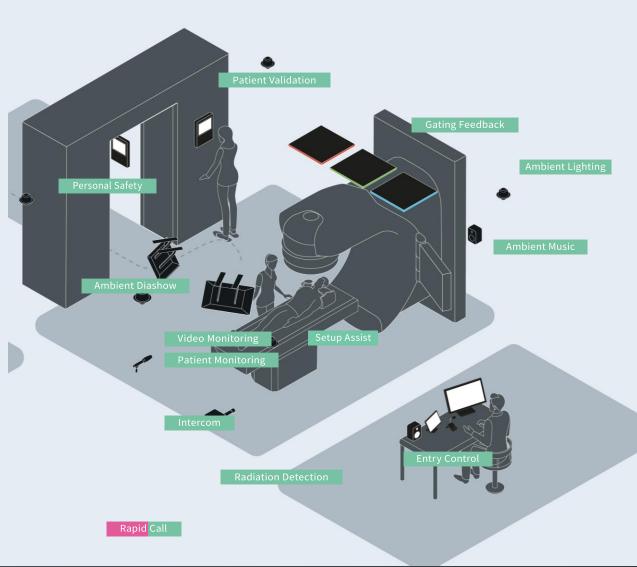




## Integrated and comprehensive solutions

for the protection of patients and staff in radiotherapy

- Safety and protection for patients, staff and external persons.
- Compliance with regulatory operational requirements with modern technology.
- Interoperability with third-party systems such as OIS for optimised data management.
- Modular multi-instance platform and individually combinable features.
- Reducing the workload of staff through automation and digitalisation.
- Digitally map up to 80% of the workflow in combination with the features of the Workflow Suite.





**Safety Suite** 

## Patient Journey in 10 Minutes

from a patient's and clinic perspective



Patient call-off from ward etc. Checking patient presence Patient call, pick-up if necessary Changing cabins management Help with undressing Checking indication, consent Calling up the patient plan Change of light setting Preparation of the LINAC

Preparation of the positioning aids
Identification of the patient
Positioning of the patient
Monitoring of the room
Appointment coordination
Imaging
Respiratory monitoring
Radiation

Checking radiation parameters

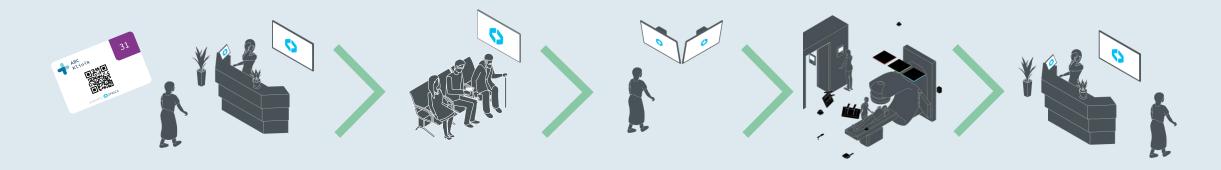
Continuous monitoring of the patient Technical fault management Patient comforting Providing patients with information Playing music Create an ambience of well-being Telephone, communication Billing



**OPASCA** We care for digital healthcare

## 80% of the workflow

#### is mapped and automated by OPASCA



Patient call-off from ward etc. Checking patient presence Patient call, pick-up if necessary Changing cabins management Help with undressing Checking indication, consent Calling up the patient plan Change of light setting Preparation of the LINAC

OPASCA

Preparation of the positioning aids Identification of the patient Positioning of the patient Monitoring of the room Appointment coordination Imaging Respiratory monitoring Radiation

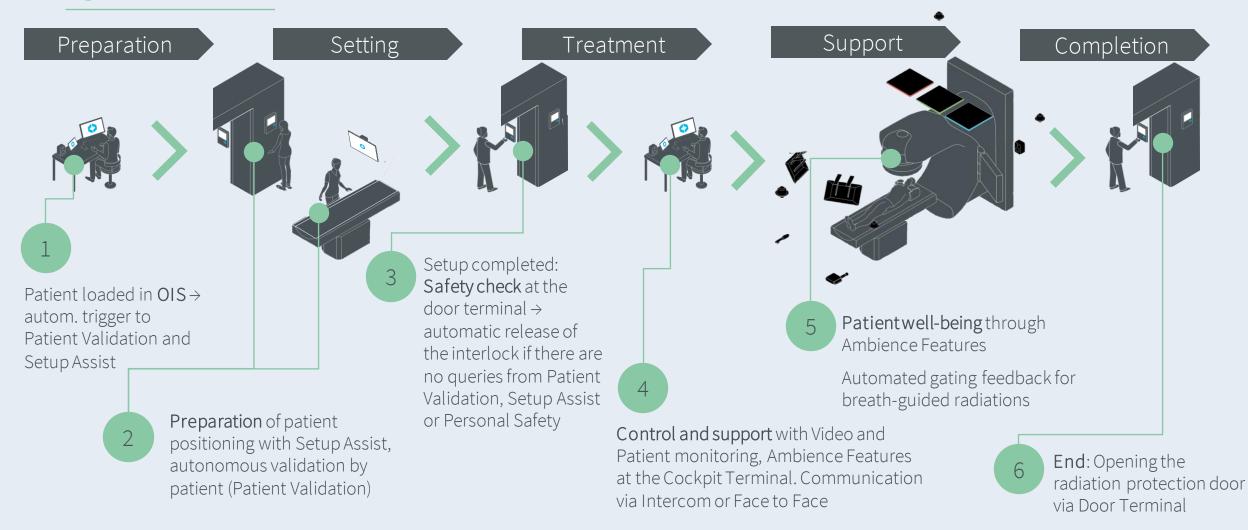
Checking radiation parameters

Continuous monitoring of the patient Technical error management Patient comforting Providing patients with information Playing music Create an ambience of well-being Telephone, communication



### Focus: safety

#### Digital treatment workflow with OPASCA

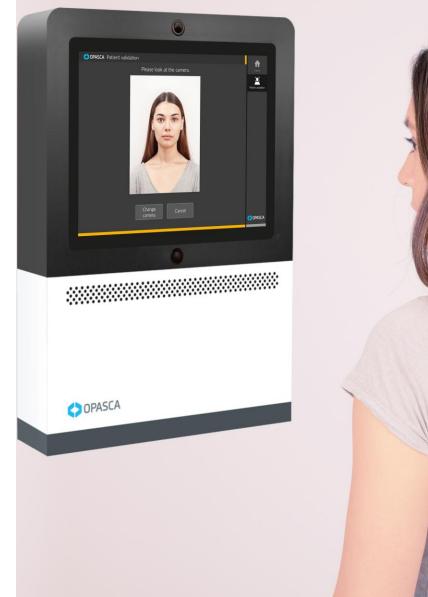




### Patient Validation Safety Suite



Reliable avoidance of misidentification: Reliable and automated patient validation based on biometric facial recognition. Available for ARIA® and MOSAIQ®





# Patient Validation

Safety Suite



The intelligent software automatically detects changes on the patient. In case of significant discrepancies, the healthcare professional is asked for confirmation. Available for ARIA® and MOSAIQ®

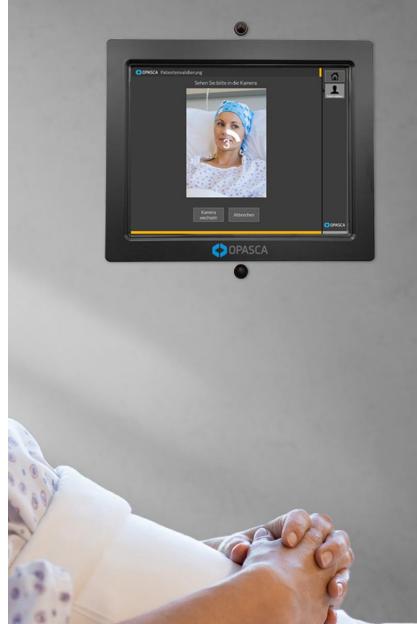




## Patient Validation for bed patients Safety Suite



Patient Validation for bed patients is an innovative solution that enables the patient to be brought safely and quickly into the irradiation room. With the help of the Inroom Terminal and the floor marking, the patient's bed is precisely positioned.





## Setup Assist Safety Suite



Digital setup assistance with automated documentation of the positioning aids used in OIS with interlock integration Available on Q3/2023 for all positioning aids & accessories of all manufacturers, with standard interface for ARIA® und MOSAIQ®







## Personal Safety Safety Suite



The invisible guardian:

Tagless, video-based room surveillance and automatic analysis provide reliable protection for all persons in radiation therapy rooms.

Available for all current LINAC models from Accuray, Elekta, Siemens, Varian, and with limitations also for MR-LINACs from Elekta and ViewRay.









When the door is closing to start the treatment, the room analysis is started automatically. Based on the live video data, it is checked whether there are other people in the room besides the patient. Permanent changes can be saved.

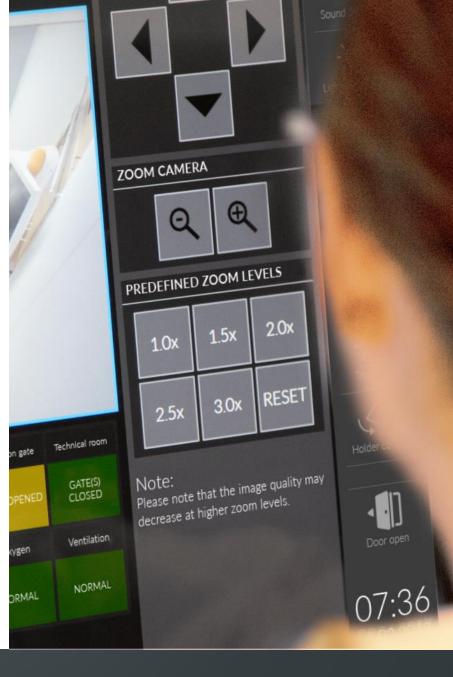




## Cockpit Terminal Safety Suite



Everything at hand: all features can be individually displayed, controlled and intuitively operated on the Cockpit Terminal at your workstation. Without any operating peripherals, simply by touch.





## Video Monitoring Safety Suite



Camera perspectives or the individual arrangement of live images can be intuitively adjusted by touch. The camera units, which are also used for the **Personal Safety** Feature, are wide-angle and radiation-hardened - for longevity and immaculate image quality.





Intercom Safety Suite



Interference-free, bidirectional speech and hearing connection between the treatment room and the workstation ensures perfect communication between the specialist staff and the patient.





## Ambience Features Safety Suite



Individual treatment atmosphere supports a positive Patient Reported Outcome:

Patient-specific music, image and light settings increase relaxation and compliance during treatment.





## Ambience Features Safety Suite

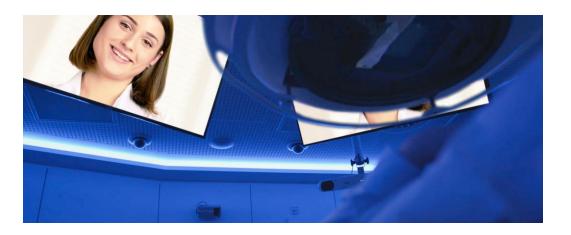


Ambient Music, Ambient Lighting and Ambient Diashow can be set individually as well as thematically. Switching between setup and treatment mode is automatic.

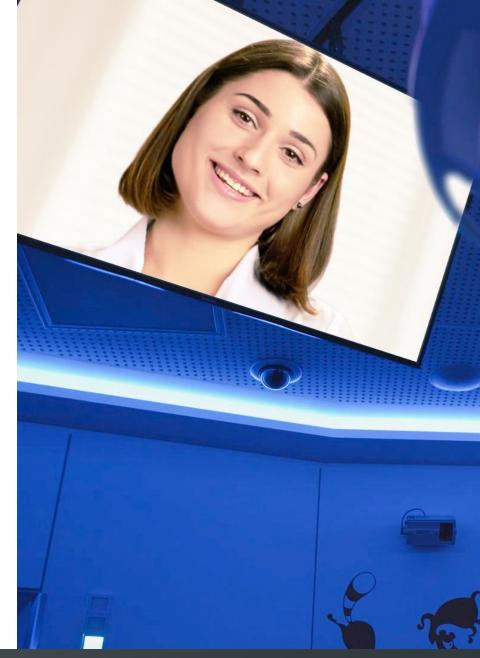




#### Face to Face Safety Suite



Very personally: This audiovisual and bidirectional videophony feature supports the treatment of more demanding patients and also enables the inclusion of accompanying persons. The Inroom Screens, which are also used for **Setup Assist** and **Ambient Diashow** features, are used for display inside the room.



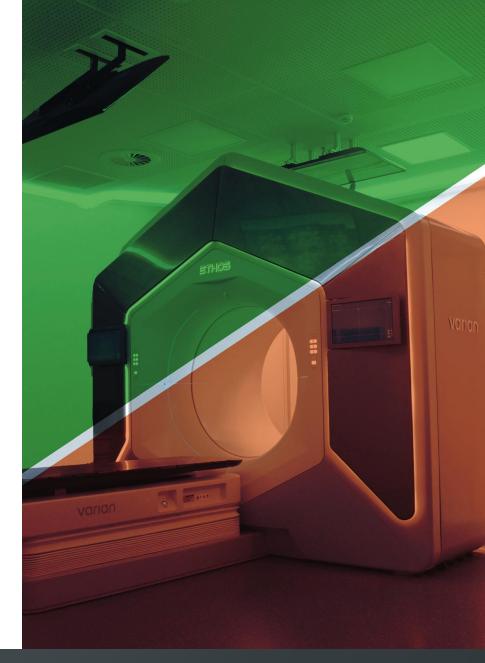


## Gating Feedback Safety Suite



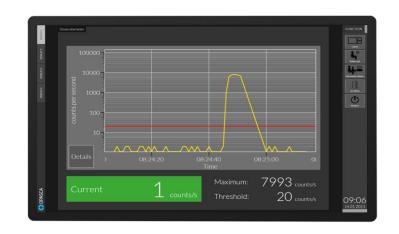
Intuitive cooperation for more precision:

The visualisation of gating thresholds by means of coloured light feedback ensures rapid patient adaptation for breath-guided radiation techniques and enables thresholds to be optimized. Available for C-RAD Catalyst<sup>TM</sup> and VisionRT AlignRT<sup>®</sup>





# Radiation Detection



Independent measurement of potentially dangerous radiation doses: Whether as an additional safety instance in teletherapy or as an operational requirement in brachytherapy, the residual radiation in the room is reliably measured independently of the source, the values are digitally documented and, if the threshold values are exceeded, a warning is given before the radiation protection door is opened.

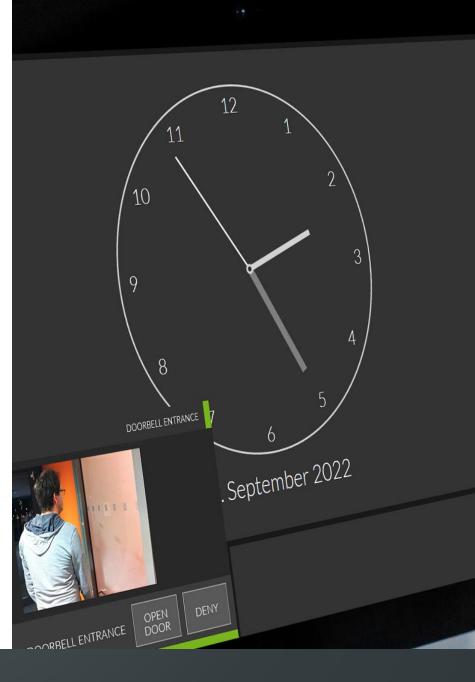




## Entry Control Safety Suite



Control access to restricted areas easily and conveniently from your workstation, even outside regular operating hours. **Entry Control** is integrated into the electronic door control and shows you a live image of the door when there is activity. The door in question can be opened by touch.







# Complimentary synergies for a safe working environment

High-quality video-surveillance and intercom for a long operating life and above average availability.

Integrated biometric patient validation via automatic data matching to avoid misidentification.

Automated personal safety check integrated into LINAC interlock for smooth operation.

Individual ambience settings and assisting features improve patient cooperation during radiation.

Supporting workflow before and after radiation to complete the patient journey.



# Benefits for our common users

Reliable, powerful and high-quality tools for safe and precise operation.

Real-time overview and evaluations for efficient planning of resource utilization.

Support through increased patient cooperation allow clear focus on core responsibilities.

Increase in profitability and revenues, reduction of workload.

Speed, accuracy and error avoidance by high-level automation and system interoperability between OPASCA and MOSAIQ<sup>®</sup>.



# Benefits for our customers' customers

Short/no waiting times, just-in-time-treatment and smooth processes.

Always up to date through information available on demand, anytime, anywhere.

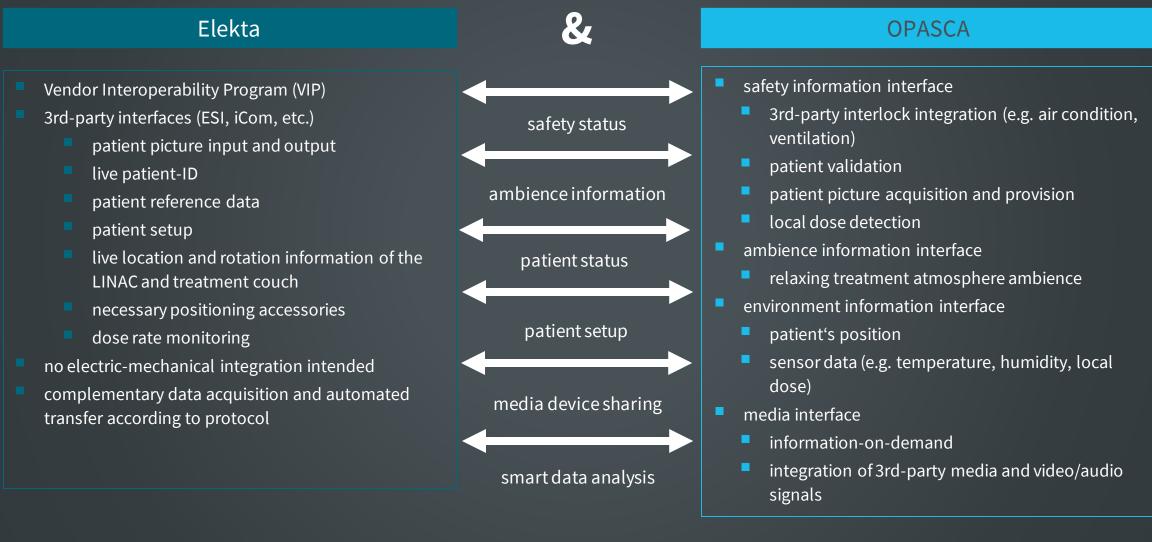
Trusting perception of safety due to transparent information regarding the individual status within the hospital workflow.

Individual settings and active participation increase empowerment.

Feeling well taken care of and safe on a demanding time in life.

# Workflow-Efficiency

#### Achieving more together





# Standardized data exchange & interoperability

safety

status

ambience

informa-

tion

patient

status

patient

setup

media

device

sharing

smart

data

analysis

#### Achieving more together

#### Elekta

- Vendor Interoperability Program (VIP)
- 3rd-party interfaces (ESI, iCom, etc.)
  - patient picture input and output
  - live patient-ID
  - patient reference data
  - patient setup
  - live location and rotation
     information of the LINAC and
     treatment couch
  - necessary positioning accessories
  - dose rate monitoring
- complementary data acquisition and automated transfer according to protocol

#### OPASCA

- safety information interface
  - 3rd-party interlock integration (e.g. air condition, ventilation)
  - patient validation
  - patient picture acquisition and provision
  - local dose detection
- ambience information interface
  - relaxing treatment atmosphere ambience
- environment information interface
  - patient's position
  - sensor data (e.g. temperature, humidity, local dose)
- media interface
  - information-on-demand
  - integration of 3rd-party media and video/audio signals

and El	a declaration relating to the Interoperability of the specified OPASCA Product(s) ekta Products in accordance with the Vendor Interoperability Program and with ASCA and Elekta Quality Assurance System.	
Elekta Limited with registered address at Linac House, Fleming Way, Crawley, West Sussex, RH10 9RR, UK and OPASCA with registered address at Franz-Volhard-Strasse 3, 68167 Mannheim, Germany jointly declare that –		mt
	Verification and validation activities have been completed to ascertain that the combination of OPASCA Products and Elekta Products are safe and effective in normal use.	
b)	Any modifications that were identified as necessary for any of the component Products have been implemented, were tested as part of the activity described in item a) above, and will be incorporated into all installations.	ce between
	All products, when used together, operate within their intended use in normal use All requirements have been met for the joint operation of the products within the	tion system and
<b>G</b> )	EU.	to be supporte
e)	Products included in the tested system that are not manufactured by either Elekta Limited or OPASCA are existing elements of the Elekta medical linear accelerator system and are the responsibility of Elekta Limited to maintain compatibility.	
	r Product(s) Validated: CA Personal Safety System	
	ce(s) Validated Against:	
	CCTV – camera signals Machine Room – additional door switch	
	Client Interface Terminal Box (CITB) – interlock pins (Room Doors 2)	
Elekta Elekta	Product(s) Validated Against: Unity	
reconf	eclaration applies only to the configuration tested and must be reviewed and irmed if any changes relevant to their joint operation are made to any of the Elekta ASCA Products.	rkflow in the ation about the the OPASCA

JOINT DECLARATION OF INTEROPERABILITY

25th May 2022

- OPASCA uses various MOSAIQ and Linac interfaces for seamless data exchange, workflow integration and interoperation
- OPASCA is an integrated part of the bunker in J building, Crawley
- OPASCA and Elekta have a wide joint installed base in various geographies
- OPASCA is a **certified partner** of Elekta's VIP



# Use cases from daily operation



High-quality video surveillance and intercom are mandatory for every customer and part of most packages.



Interlock-integration to prevent mistaken patient identity and incorrect radiation by manual approval.



Automated and contactless assistance for gating techniques support high precision radiation.



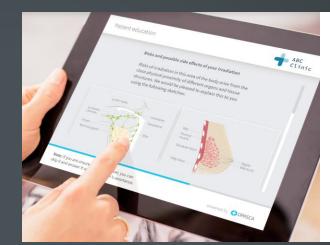
Live-transfer of schedule data and basic patient information are the basis for OPASCA patient management.



# Use cases from daily operation



Patients' pictures taken with Terminals are automatically transferred to MOSAIQ<sup>®</sup>.



Information of consent granted is mandatory and can be shared with MOSAIQ<sup>®</sup>.



Presence and interaction data complement and qualify schedule data in MOSAIQ®.



Safety and interaction data are valuable to QAdata in MOSAIQ<sup>®</sup>.





# Core Performance Platform

The base of every OPASCA solution





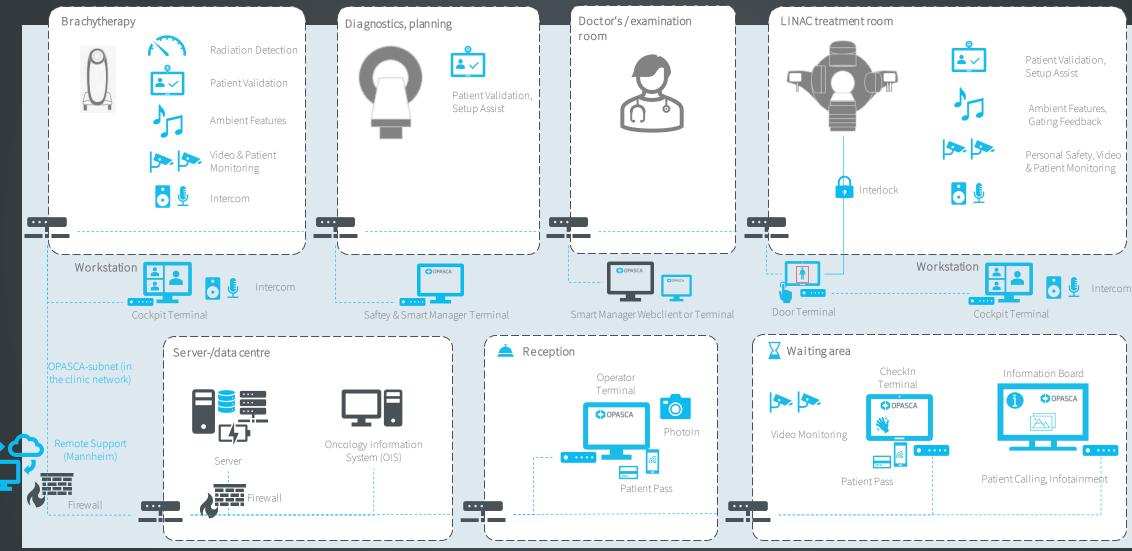
# Core Performance Platform

Secure data exchange

- Base of all features for the Safety Suite and the Workflow Suite
- Virtualised operation on the hospital's own servers or as a dedicated all-in-one on-premise solution can be realised
- High performance and high availability through distribution to several hosts/VMs
- Secure data exchange and full interoperability within and to third-party systems via interfaces such as FHIR, HL7 or REST-API with the Interoperability Agent or via the Hospital Integration Layer

# Network overview

#### Exemplary implementation







# OPASCA Flexes

Most frequently selected configurations and AddOns from the Safety Suite



# Video Monitoring Basic

Flex



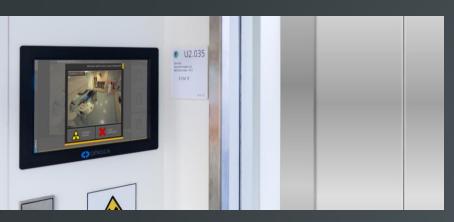
Specially developed for the demanding daily routine in radiotherapy, for more safety and comfort in patient monitoring during radiation: Video Monitoring of the treatment room with 2 fixed, radiation-hardened camera units. Display and operation via 1 touch-controlled Cockpit Terminal at the workstation.

- Video Monitoring RT, Maze & Technical Room: additional camera units for Ambience Features: Relaxation and compliance of your patients through treatment room, maze or technical room
- Patient Monitoring RT: Optical-zoomable, pan-and-tilt camera unit, e.g. for Radiation Detection: Source-independent, threshold-based check for monitoring vital parameters
- Video Monitoring Waiting Area & Hallways: integration of video surveillance Gating Feedback: For contactless, intuitive support of your patients during of waiting areas and hallways
- Intercom: bidirectional speech and hearing connection between treatment room and workstation
- Entry Control: Access control for restricted areas or also outside regular opening hours for mechanical doors

- individual well-being atmosphere
- residual radiation with beam time measurement.
- breath-guided radiation (DIBH)
- Setup Assist: Digital setup support with automated documentation of the positioning aids used in ROKIS with interlock integration



#### Safety Base Light Flex



Reliable personal protection for everyone in the safety area without compromise due to complete coverage of the radiation room: Contactless, tagless, video-based Personal Safety system with integrated Video Monitoring of the treatment room with 4 fixed, radiationhardened camera units. Display and operation via 1 touch-controlled Cockpit Terminal at the workstation.

- Video Monitoring RT, Maze & Technical Room: additional camera units for Ambience Features: Relaxation and compliance of your patients through treatment room, maze or technical room
- monitoring vital parameters
- Video Monitoring Waiting Area & Hallways: integration of video surveillance Ambience Features: Relaxation and compliance of your patients through of waiting areas and hallways
- Intercom: bidirectional speech and hearing connection between treatment room and workstation
- Entry Control: Access control for restricted areas or also outside regular opening hours for mechanical doors

- individual well-being atmosphere
- Patient Monitoring RT: Optical-zoomable, pan-and-tilt camera unit, e.g. for Patient Validation: Video-based validation of correct patient identity after one-time referencing to OIS-ID
  - individual well-being atmosphere
  - Gating Feedback: For contactless, intuitive support of your patients during breath-guided radiation (DIBH)
  - Setup Assist: Digital setup support with automated documentation of the positioning aids used in ROKIS with interlock integration



#### Brachy Flex



Not only do you fulfil the safety requirements, but you also benefit from the convenience and integration capability of this special solution for monitoring in brachytherapy rooms: Video Monitoring of the treatment room with 1 fixed, radiation-hardened camera unit and source-independent Radiation Detection. Display and operation via 1 touch-controlled Cockpit Terminal at the workstation.

- Video Monitoring RT, Maze & Technical Room: additional camera units for Entry Control: Access control for restricted areas or also outside regular treatment room, maze or technical room
- Patient Monitoring RT: Optical-zoomable, pan-and-tilt camera unit, e.g. for Ambience Features: Relaxation and compliance of your patients through monitoring vital parameters
- Video Monitoring Waiting Area & Hallways: integration of video surveillance of waiting areas and hallways
- Intercom: bidirectional speech and hearing connection between treatment room and workstation

- opening hours for mechanical doors
- individual well-being atmosphere



### Patient XP

Flex



Support the relaxation and compliance of your patients during treatment through a comfortable treatment atmosphere:

Creation of a patient-specific treatment ambience with Ambient Music and Ambient Lighting, setting via 1 touch-controlled Smart Manager Terminal at the workstation.

- Face to Face: Very personal: This audiovisual and bidirectional videophony feature supports the treatment of more demanding patients and also enables the inclusion of accompanying persons.
- Ambient Diashow: Individual or thematically coordinated image sequences for a relaxing treatment experience
- Patient Validation: Video-based validation of correct patient identity after one-time referencing to OIS-ID
- Intercom: bidirectional speech and hearing connection between treatment room and workstation



# Personal Safety Basic for Unity

Flex



Special configuration for the MRI LINAC Unity by Elekta, approved by Elekta's Vendor Interoperability Programme (VIP): Basic package Safety Suite RT: "Personal Safety System" for 1 MR LINAC treatment room with direct entrance (Automatic room monitoring)

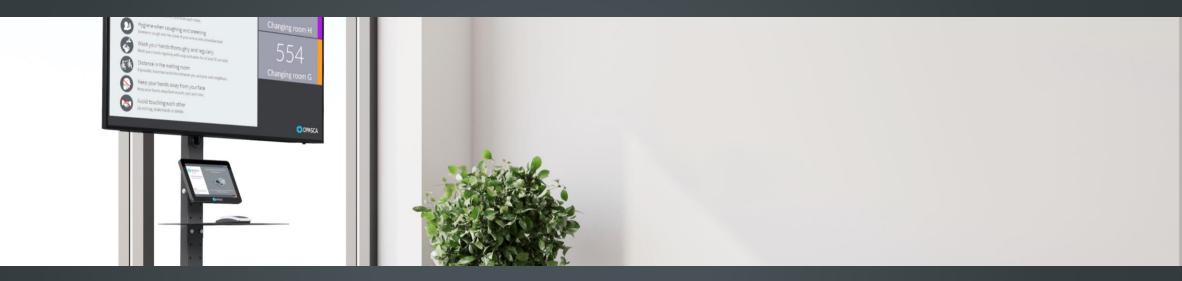
#### AddOns approved by Elekta for Unity:

 Patient Validation: Video-based validation of correct patient identity after one-time referencing to OIS-ID

Complement the treatment process before and after radiation for your patients with the features of the Workflow Suite!



# RapidCall Safety meets efficiency



Protect the privacy of your patients in the waiting area, make sure you call the right patient and at the same time reduce the workload for the reception by digitising your processes.





# RapidCall Quickly installed, ready for use immediately

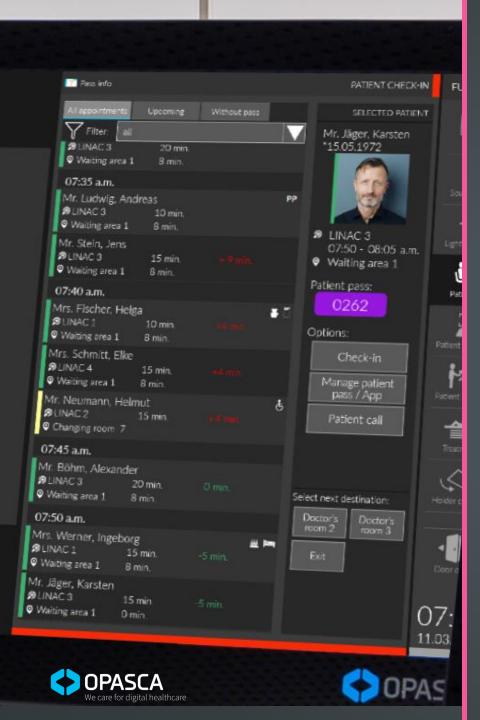
- The RapidCall Combi Terminal combines several features of the Workflow Suite: Patient CheckIn & CheckOut, Infotainment and Patient Calling.
- With the Patient Pass, patients sign in and out at the CheckIn Terminal independently and without contact at every visit. This strengthens their sense of autonomy.
- The Information Board is used to call up the individual colour-number combination of the Patient Pass visually, acoustically and in accordance with data protection regulations.
- The reception staff is relieved, queues are reduced and information on patient presence and whereabouts is displayed at the integrated workstations combined with the appointment schedule.





# RapidCall Quickly installed, ready for use immediately

- At the first visit to the clinic, each patient receives his individual Patient Pass, which is assigned to his OIS-ID.
- At each subsequent visit, the patient uses his Patient Pass to check in and out at The CheckIn Terminal – independently, without contact.
- With the colour-number combination printed on Patient Pass, the patient is called up in the waiting area anonymously and in compliance with data protection regulations.
- The unique colour-number combination and assignment in the OIS also makes sure, the right patient is following the call.



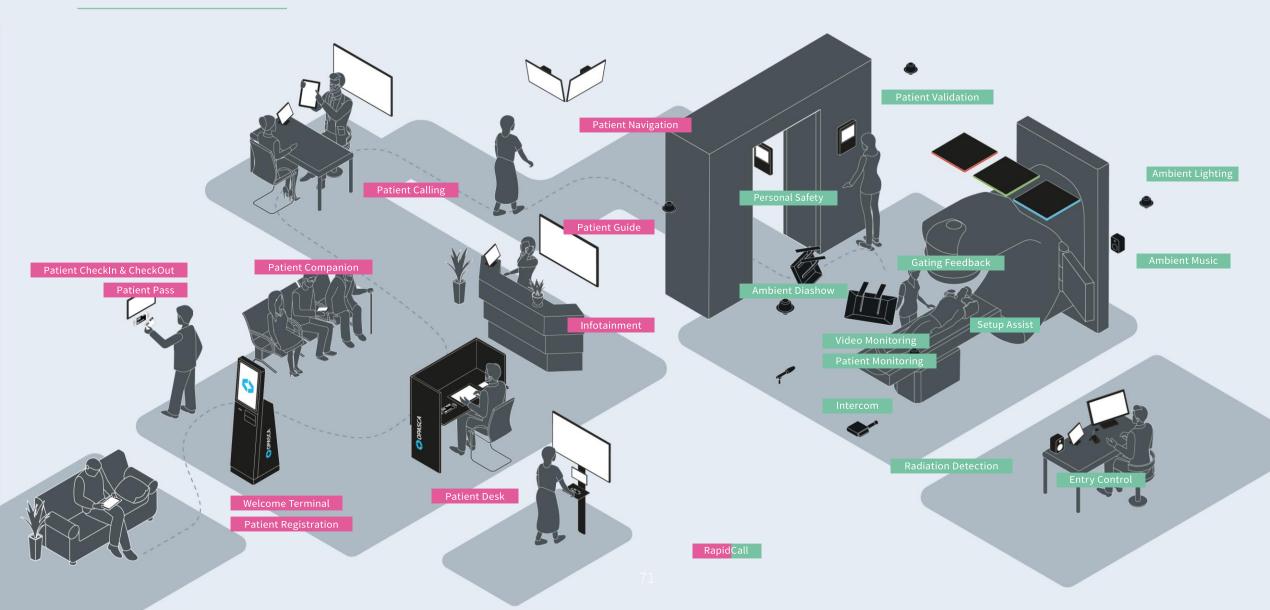
## RapidCall Ouickly installed, ready for use immediatel

- The Patient Pass is reusable and is assigned to the respective OIS-ID in only 3 steps.
- Whether as a web client on your desktop or via the Terminals at your workplace, you receive the information on the patient presence and whereabouts analogous to your schedule.
- The data protection-compliant call, which is issued via the colour-number combination of the Patient Pass on the Information Board of the RapidCall Combi Terminal, is triggered with the touch of a finger.
- Keep an eye on waiting times, react flexibly to delays and control the flow of patients digitally.

# Safety meets efficiency

Workflow Suite and Safety Suite





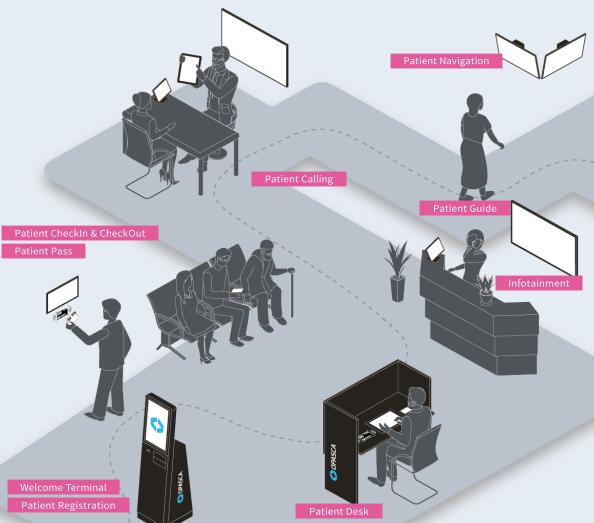
# From the initial interview to the clarifica

to the daily irradiation appointments digitally supported

- Automated Patient Registration supports structured data acquisition already at the initial consultation without any personal support.
- Autonomous Patient CheckIn, digital Patient Request and Patient CheckOut reduce the workload of the registration desk and at the same time promotes your patients' sovereignty.
- The data protection-compliant, Patient Calling, protects the privacy of your patients, makes sure the right patient appears and reduces walking times at the same time.
- Merging the appointment schedule with the patient's current where-abouts status ensures transparency and flexibility.
- Enhanced communication between you and your patient through auto-mated information provision on site and also via app (OPASCA Mobile Solutions).

## Workflow Suite

InClinic Solution





## Consultation and consent:

How patients experience their journey



Registration of the patient Recording the master data Checking the referral documents Checking insurance status Handing out forms Checking diagnostic information Importing CT/MRI images Scanning/copying doctor's letters Transfer from registration to doctor Patient call, pick-up if necessary
Retrieval of the patient's file
Clarification of questions
Reassuring the patient
Patient education
Discuss alternatives
Explanation of further procedure
Order further diagnostics
Make a note in the patient's file

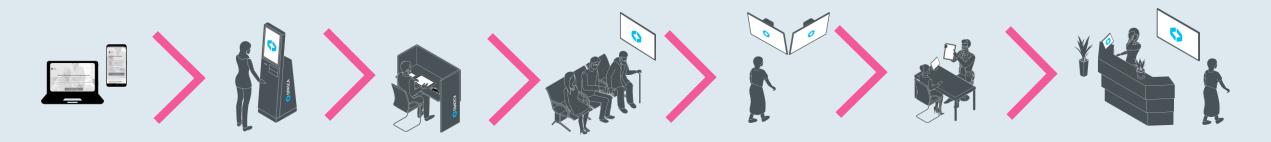
Make an appointment for planning CT Arrange further doctor's consultation Clarify availability Provide patients with information Write and send doctor's letters Scan and archive forms Provide printouts for the patient Telephone, communication Billing



15 Min.

## Up to 70% of the workflow

is digitised and automated with OPASCA



Registration of the patient Recording the master data Checking the referral documents Checking insurance status Handing out forms Checking diagnostic information Importing CT/MRI images Scanning/copying doctor's letters Transfer from registration to doctor

Patient call, pick-up if necessary Retrieval of the patient's file Clarification of questions Reassuring the patient Patient education Discuss alternatives Explanation of further procedure Order further diagnostics Make a note in the patient's file Make an appointment for planning CT Arrange further doctor's consultation Clarify availability Provide patients with information Write and send doctor's letters Scan and archive forms Provide printouts for the patient Telephone, communication Billing



15 Min



## One for all We are the partner you can rely on

- Consultation and planning
- Assessment and adaptation
- Project management and coordination with all parties involved
- Delivery, installation and commissioning
- Education and training
- Service and maintenance
- Joint further developments

## Long-term availability through customer-oriented services

- Reduction of downtime to a minimum
- High operational stability and reliable uptime
- Future-proof and up-to-date
- Reliability by establishing a service and maintenance plan for the following 12 months
- Fast recovery, low impact on patient treatment and daily operation
- Competent and clear advice

On-site maintenance and monthly checks

## Guaranteed response times

Bugfixes & Updates

On-site service

Remote support

#### Phone support















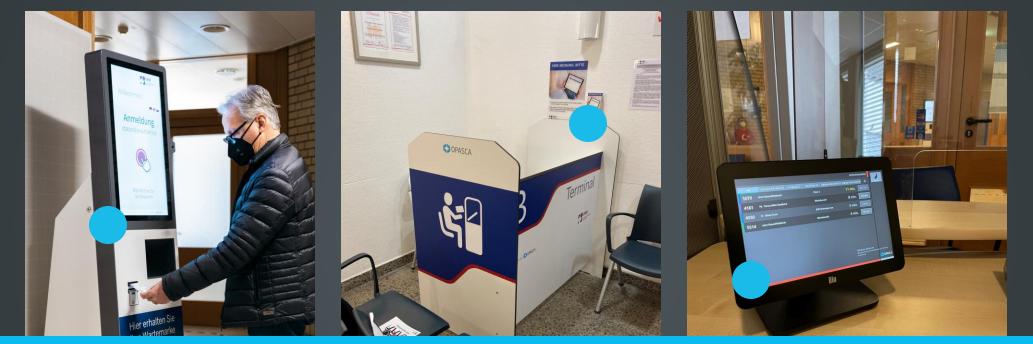
## Selected international references and partners





VAMED

#### University Clinic Mannheim (DE)



"The digitisation of our intake process through OPASCA has reduced our processing times by more than 50%." F. Bergmann, Commercial Managing Director (2021)

State Page 1



University Clinic for Radiation Oncology, Tuebingen (DE)



"The OPASCA solution has integrated perfectly into our processes. We can focus on what is important to us: our patients. "Prof. Dr. D. Zips, Medical Director (2019)

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German Oncology Center, Limassol (CY)



"A modern clinic also needs modern patient management. This is what distinguishes us: that the patient is at the centre - just like at OPASCA." Prof. Dr. N. Zamboglou, Medical Director

Source: goc.com.cy



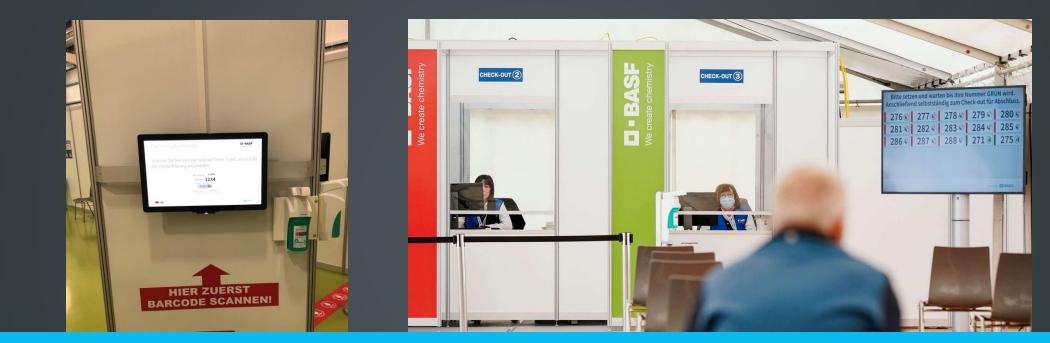
## OPASCA reference Bürgerspital Solothurn (CH)



"A truly advanced solution that will significantly contribute to increased satisfaction for our patients and staff." Elke Albrecht, CIO und Member of the Management Board at Solothurner Spitäler AG



### BASF Ludwigshafen (DE)



"Thank you, OPASCA! With your help, our vaccination centre has become a successful contribution to the fight against the COVID pandemic." Dr. Melanie Maas-Brunner, Site Manager, Member of the Board of Executive Directors of BASF SE

Source: dpa



COVID-Truck (UZ)



Bundesministerium für wirtschaftliche Zusammenarbeit und Entwicklung Bundesministerium für wirtschaftliche Zusammenarbeit DevelopPpp.de © • •

"We use our know-how to improve health care in emerging countries as well." Dr. Alexej Swerdlow, CEO OPASCA GmbH



#### Katharinenhospital Klinikum Stuttgart (DE)



"OPASCA enables us to work much more efficient within a smoother and standardized working atmosphere, and to achieve high treatment standards." Prof. Dr. M. Münter, Medical Director



## OPASCA Referenz

Institut für Radioonkologie, Donauspital Wien (AU)



"Mehr Zeit für unsere Patienten zu haben – das hat uns die OPASCA-Lösung ermöglicht." Prim. Dr. Andrea Reim, Vorständin



## Digitization must deliver added value

• 4 LINACS • 160 p		Xey figures: 160 patients per day ~40.000 patient contacts per ye	ear
Degree of digitisation	Savings in staff costs per patient/visit	Savings in personnel costs p.a. (at 100% utilisation rate)	Savings in personnel costs p.a. (at 30% utilisation rate)
	30 seconds	335 hours (~14 days)	100 hours (~4 days)
	1 minute	669 hours (~28 days)	201 hours (~8 days)
	3 minutes	2008 hours (~83 days)	602 hours (~25 days)
	5 minutes	3347 hours (~140 days)	1004 hours (~42 days)

Utilisation rate



## We are ready - are you? Then let's digitize your clinic together!



# We are happy to answer your questions!

Thank you for your time and attention! For more information, please visit opasca.com



## Thank you for your time

I will gladly answer all your questions:



#### Vorname Name

Position

#### OPASCA GmbH

- ♥ Franz-Volhard-Straße 3, 68167 Mannheim
- 🛞 +49 621 877537-XY
- +49
- ⊠ Vorname.name@opasca.com
- opasca.com

