2023

ARC

Healthcare Book

Foreword

ARC International Design Consultants offers a 'one stop shop' service with expert focus on healthcare facility planning and design.

Already with a strong portfolio in Europe, Middle East and Africa, our vision is to be at the forefront of healthcare design.

> Designing projects of increasing scale, with huge social impact
> Working across multiple regions, markets and sectors
> Part of the world's most ambitious future projects

Our multi-disciplinary team, based in London and Lisbon, draws from a wealth of experience across all sectors to create healthcare facilities that are well considered, flexible and future oriented.

At the core of our philosophy is the belief that each client and every project requires an exceptional solution in a unique context.

Our experience and knowledge of international best practice, design trends and technology offers strategic insight into complex projects' design and investment. Through strategic planning and design, our team can deliver places that improve the quality of life of those that use them and are better prepared to face future challenges.

Please contact us if we can assist you in an advisory or design role:
arc-idc@arc-idc.com

Contents

01.

Our Approach

Our Approach

Delivering exceptional results through our 'one-stop shop' approach

OUR 'ONE-STOP SHOP' APPROACH

Our multi-disciplinary design team based in London and Lisbon serves a portfolio of projects spanning Europe, the Middle East, Asia and Africa.

Offering an integrated 'one stop shop' approach to our clients, at ARC's core is a carefully selected and diverse team of specialists with expertise in a wide range of services and sectors. ARC has a successful track record of designing healthcare facilities across multiple and challenging markets and all project stages.

In its mission, ARC aspires to excellence and to assert itself as an international reference in design. To this end, ARC promotes talent and research and development to achieve the maximum potential in your projects.

We seek to identify our clients' real needs, not just deliver good work. At the core of our philosophy is the belief that each client and every project requires an exceptional solution in a unique context We work in partnership with our clients to provide personalized solutions that meet and exceed their expectations.

We measure our success by our clients' success. Our specialist knowledge and expertise in best practice offers strategic insight in design, operation and investment. We are committed to adding value for our clients, by delivering competitive advantage, performance results and bottom line impact.

OUR VISION

Our vision is to inform the future evolution of healthcare design

> By striving for excellence;
> By aspiring to be recognized leaders in our field;
> By facilitating our clients' utmost success

OUR MISSION

Our mission is to exceed our clients aspirations

> To create unique, tailor made solutions;
> To work in partnership with our clients;
> To provide culturally sensitive solutions;
> To achieve sustainable, high quality results

+30,000
beds designed

+17,000,000
sqm designed

Our Team

Great things in business are not achieved by one person alone, they are achieved by a team of outstanding people.

ARC | International Design Consultants' team draws from a wealth of experience across the globe. Our international expertise across many sectors offers strategic insight in creating world class healthcare facilities that are well considered, flexible and future oriented.

We are proud to be a close, talented international team that is committed to excellence and continual development. As a multi-disciplinary team, we follow a holistic approach to design and collaboration, resulting in better coordination and outcomes for our clients.

ARC is involved in some of the world's most ambitious future projects; designing projects of increasing scale and huge social impact for many high profile clients. We strive to be on the leading edge of research, trends, technology and best practice in design around the world. Our vision is to inform the future evolution of healthcare and aspire to be recognized leaders in our field.

OUR SERVICES

- *Masterplanning*
- *Medical planning*
- *Architecture*
- *Interior design*
- *Landscape design*
- *Signage & Wayfinding*
- *Graphic Design*
- *Lighting Design*
- *Visualizations*
- *BIM*
- *Technical Advisory*

OUR SECTORS

- *Masterplans*
- *Healthcare*
- *Hospitality*
- *Residential*
- *Education*
- *Entertainment*
- *Cultural*
- *Commercial & Offices*
- *Laboratories*
- *Industrial*

PATRÍCIA LIMA
Operations Manager

19 years' experience as Team Leader in charge of fast-track projects. Now focussed on managing ARC Operations

AMY PORTEOUS
Director of International Projects

With 17 years' experience in large scale and complex healthcare developments.

JOÃO CRUZ NEVES
Head of Architecture

Goal-driven leader with 22 years of experience, leading large teams and complex projects.

VASCO CARVALHO
Design Director

Over 20 years' experience with successful track-records in design and technical solutions.

PEDRO GARGATÉ
Healthcare Design Manager

With 18 years' focussed on healthcare architecture and medical planning.

TINA VARELA
Landscape Design Manager

Over 15 years' experience in landscape design and project management.

GRZEGORZ ZIMNICKI
Senior Masterplanner

30 years' experience in designing projects around the globe.

ANNA ADEBAYO
Interior Design Manager

Over 25 years' experience, leading international interior design projects.

CLAIRE HAMILL
Lead Lighting Designer

Over 14 years of experience in interior and lighting design, 40 Under 40 award winner.

Our Global Presence

ARC serves a project portfolio that spans the globe, from our offices in London and Lisbon.

We work with local partners in all regions that we work to deliver world class designs tailored to local requirements, heritage and culture.

Our multi-disciplinary team of specialist designers draws from international experience and expertise across all sectors.

We are a growing team, with plans to continue to invest in our team in 2023 and further increase our global portfolio.


London
Poland
Lisbon
Spain
Malta
Tunisia
Jordan
Kuwait
Egypt
Saudi Arabia
Pakistan
China
Nigeria
Uganda
Sri Lanka
Angola
Zambia

Our Commitment & Core Principles

Our core principles guide us in our work to achieve exceptional results in any context.

It is critical that the spirit and intent are not lost during the planning, implementation, or operational phases of a project. To this end, ARC has defined a series of core principles and associated commitments that create an ideal framework for achieving our vision and mission:

LEARN FROM EVIDENCE-BASED DESIGN

> Follow best practice in evidence-based design;
> Learn from literature and scientific studies;
> Utilise the client's accumulated data and evidence

CREATE USER CENTERED FACILITIES

> Design with the user's perspective in mind;
> Develop and maintain an environment that is inviting, comfortable and sensitive to diversity;
> Improve environment with design features;
> Create an atmosphere that embraces healthy lifestyles, consumer needs and reflects the diverse needs of the region

BE FORWARD-THINKING

> Improve environmental impact through 'green' or sustainable design, construction, operation and maintenance;
> Incorporate state of the art technology;
> Be proactive in thinking and embrace innovation;
> Be aware of and embrace new design trends;
> Be aware of disruptive trends and identify future paths for design;
> Consider the life cycle impact on the asset

BE RESOURCE EFFICIENT

> Build and promote partnerships that improve effectiveness and efficiency;
> Maximize cost effectiveness and use available resources;
> Use technology as a tool to improve cost effectiveness and efficiency;
> Maximize the potential of space through efficient design and shared usage;
> Ensure the seamless integration of services;
> Design for operational efficiency and performance

DELIVER AN INTEGRATED SERVICE

> Follow our holistic approach;
> Provide a comprehensive service;
> Collaborate fully with our one-stop shop team throughout the project lifecycle;
> Collaborate fully with the client and stakeholders

BE AT THE LEADING EDGE OF R&D

> Develop and apply integrated resources;
> Ensure the effective exchange of information;
> Share technology, knowledge and services;
> Aim for continuous learning and development;
> Produce new knowledge;
> Foster talent and support training;
> Engage in continuous professional development focused on quality improvement, innovation, and achieving optimum results;
> Strive to be on the leading edge of Research and Development

ADD VALUE AND STRIVE FOR EXCELLENCE

> Adopt best practices and aspire to be the best in our field;
> Be open to new ideas and creative solutions;
> Ensure that every decision is objective and adds value to the overall investment;
> Remain user focused and have the courage to do what is necessary to achieve the project vision;
> Maximize the potential of the asset.


Best Evidence
Based Design


ARC
Culturally
Sensitive


Unique
Landmark
Spaces


Improve
Quality
of Life


Future Oriented
& Sustainable


Respect Setting
& Heritage


Human Centric
Approach

02.

Knowledge

Healthcare Facility Expertise

We are a comprehensive, multidisciplinary team, with specific expertise in healthcare facilities.

HOLISTIC APPROACH

The planning and implementation in connection with building a new hospital or healthcare facility involves more than time schedules, business models and architectural processes. It is equally important to have the ability to understand the needs of the patients, their families and the staff, as well as the knowledge of potential specialist, technical and practical solutions available to address the specific challenges. ARC holds extensive experience in all aspects of healthcare facility planning, design and operation.

A hospital or healthcare facility is characterized by its standards of quality and efficiency for the patients. The building should contribute to improving the overall standard of healthcare. At the same time, the staff, patients and their families should feel that they are in an environment which supports their need for comfort, function and safety.

Our designs at ARC are based on the latest guidelines, however, it is important to note that we do not limit this to minimum code requirements, rather we apply internal tools that take into consideration various best practices and evidence based designs to achieve the best solution for the project.

It is our mission to foster a culture of research and training within our team - to develop our expertise, advance our practice and ultimately inform the future evolution of healthcare design.

With this accumulated knowledge, ARC is capable of creating state of the art building solutions for hospitals and healthcare buildings that benefit all users and deliver sustainable results.

Providing services for all types of healthcare facilities:

Design Focus

Inclusive and flexible approaches provide answers to modern challenges in Healthcare.

Healthcare facilities are some of the most complex and demanding buildings to design. Not only do they have to respond to several different functions and user groups, but they must also be able to adjust in time to temporary or permanent solicitations, either planned, or emergent.

Different approaches, not necessarily exclusive of each other, should be considered when planning and designing healthcare facilities, each contributing to a better solution capable of withstanding the passage of time while maintaining the capacity of providing an adequate response.

Operationally Efficient

Design assumptions and decisions mainly driven by efficiency goals with focus on hospital operations

EVALUATION

> Feasibility studies;
> Life-cycle cost analysis studies;
> Medical planning and detail design optimization;
> Operational processes

BUILDING OUTCOMES

> Streamlined medical planning layouts;
> Optimized grossing factors and built area;
> Smaller facilities;
> Reduced traveling;
> Safer environments and HAI's reduction;
> Durable easy to maintain materials;
> Efficient building management system;
> Construction and operations cost effective

SERVICE OUTCOMES

> Streamlined Service;
> Faster response times;
> Improved patient turnover;
> Hospital centered model;
> Staff centered model;
> Patients adjust to hospital organization

Flexibility & Future Proof

Design assumptions and decisions mainly based on building flexibility and future proofing, including adjustment to scheduled and unexpected events.

FLEXIBILITY

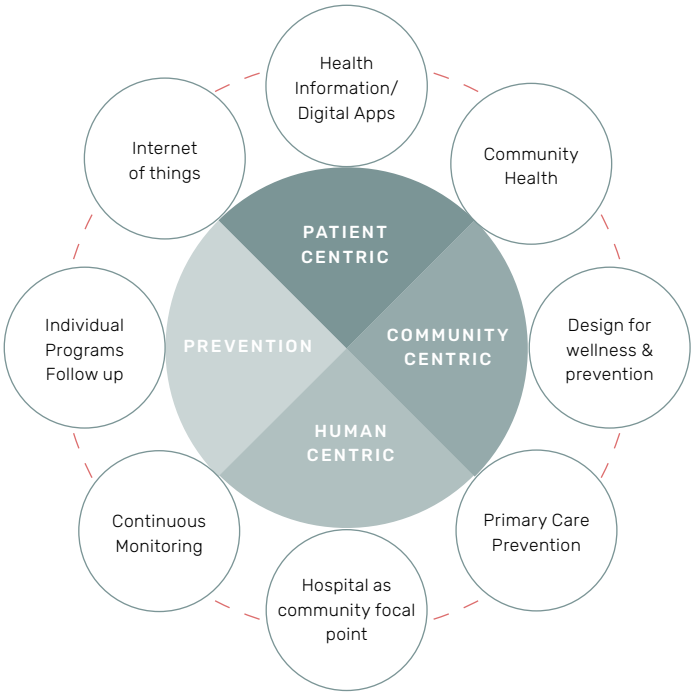
> Universal grids, design module;
> Multi-functional spaces, modular layout;
> Rational vertical cores, MEP risers;
> Plug n' play solutions;
> Sacrificial areas

ADAPTABILITY

> Design for daily usage, dimension for peak usage;
> Catastrophe area allowance for emergency;
> Flexible to incorporate new uses;
> Flexible to resize departments;
> Swing beds;
> Simplified Maintenance;
> Minimize space induced clinical error

FUTURE PROOF

> Long Term expansion strategy;
> Process Oriented organization;
> Sharing of clinical and support services;
> Easy to incorporate new technology;
> Cost Effective



Patient Centric

Design assumptions and decisions focused on the patient experience and wellbeing.

HUMANIZED ENVIRONMENTS

> Inclusive environments;
> Designed around patient flows;
> Integration of family spaces;
> Natural light;
> Natural environments and outdoor spaces

HUMANIZED PATIENT FOLLOW UP

> Personal health journals;
> Fall risk assessment;
> Patient experience;
> Wellness team;
> Individually tailored treatments;
> Align decisions with patient's needs;
> Induce healthier habits

USER BENEFITS

> Reduced patient and family stress;
> Fast healing/return daily life;
> Reduced HAI and patient falls

OPERATIONAL BENEFITS

> Competitive advantage and quality of care;
> Improved outcomes;
> Cost Effective / reduced overall expenses

Community Centric

More recently a new vision is focusing hospital designs to be integrated with the context and open to the whole community.

OPEN TO COMMUNITY

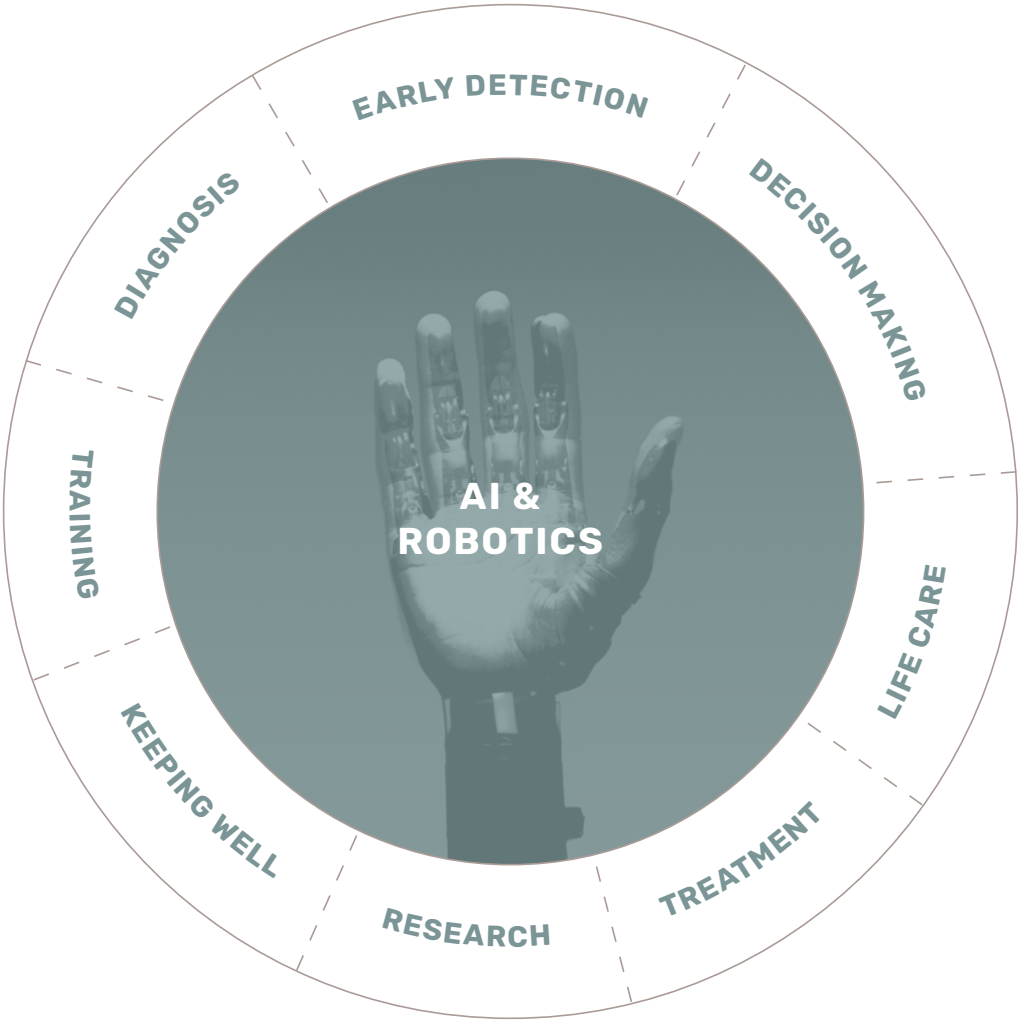
> Integrated in the local context;
> Design for all users;
> Open public spaces;
> Knowledge and education centers;
> Incorporation of public amenities;
> Friendly environments

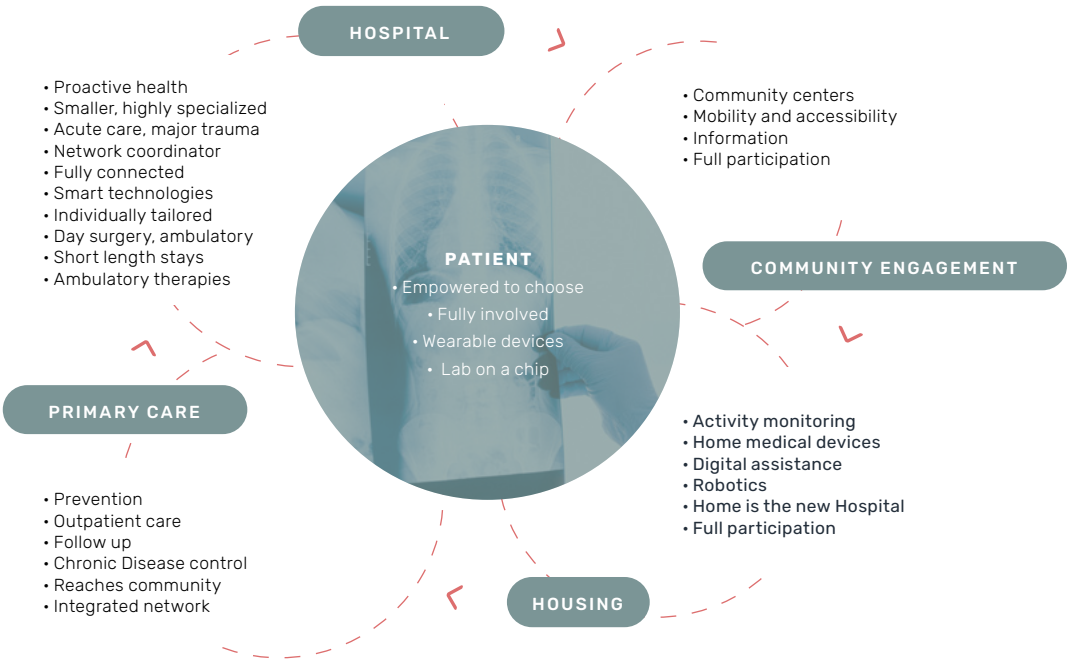
BENEFITS

> Involves the community;
> Contributes to prevent diseases;
> Reduced acute cases;
> Incorporates health as part of daily life;
> Cost effective

New Trends in Healthcare

New projects offer an ideal opportunity to design state of the art humanized hospitals, that incorporate the best design practices with up to date medical equipment and modern technology that will leverage holistic efficiency.





Integrated Care

More recently a new vision is focusing healthcare effort in the prevention, shifting from a reactive position towards diseases to a proactive and preventive approach.

PRIMARY CARE

> Smaller community hospitals;
> Specialized Units to treat NCD;
> Community proximity;
> Invites community participation;
> Knowledge and education centers;

ACUTE CARE

> Highly specialized central hospitals;
> Focused on acute events, critical care and trauma;
> Complex treatments;
> Multidisciplinary care;

BENEFITS

> Focused on prevention;
> Optimizes resources:
> Reaches people:
> Incorporates health as part of daily life:
> Cost effective

Decentralized

A well coordinated decentralized healthcare network has the capability to reach patients further and faster, at a lower cost and with better outcomes

CENTRAL TERTIARY HOSPITALS

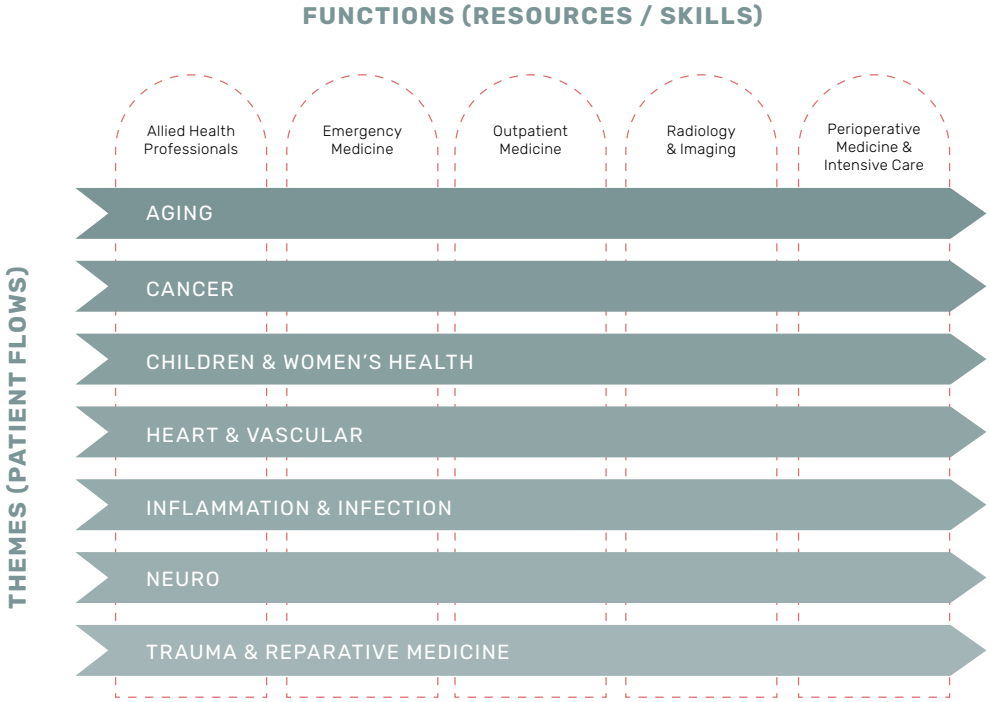
> Network coordinator;
> Defines regional healthcare strategy;
> May take advantage of a Command Center;
> Receives acute and specialized cases;
> Teaching facilities

SECONDARY CARE HOSPITALS

> Proximity care;
> Mild cases diagnostic and treatment services;
> Ambulatory care

PRIMARY CARE

> Prevention;
> Proximity care;
> Ambulatory Care;
> Chronic NCD monitoring and follow up



Processed Oriented

Hospitals should be designed to enforce processes and multidisciplinary work, focusing on patient groups, clinical flows and shared resources.

MODEL OF CARE

> Process oriented;
> Grouped by functions and themes;
> Patient centric strategy;
> Continuous care and patient follow up;
> Resource and work sharing;
> Multidisciplinary adaptive work

FUTURE PROOF

> Evolutionary model of care;
> Possibility of creating new themes;
> Cross functional teams;
> Integrated work-flows;
> Strategies for knowledge sharingPatients adjust to hospital organization

Patient Empowering

Patients require full access to their health records and participation on all clinical decisions. These range from treatments to do, to the doctor selection or healthcare provider. Architecture can also empower users in different ways.

CLINICAL AREAS

> Face to face interaction
> Elimination of physical barrier
> Feeling of dignity
> Flexible for multipurpose use
> Incorporates state of the art technology

PATIENT AREAS

> Patient rooms adjusted to daily activities
> Homely feeling
> Facilitates users movement and activities
> Offers comfort and entertainment
> Encourages faster recovery

› *Health Apps*

› *Big Data*

› *Cloud*

› *Augmented Reality*

› *Social Media*

› *Internet of Things*

Value Added

Focusing operations in value added services, through solid Health Service Planning, identification of catchment needs and integration in the healthcare network.

VALUE ADDED IN TERTIARY CARE

> Differentiating services;
> Complementarity to existing network;
> Complex treatments;
> Acute Care and Trauma;
> Multidisciplinary Care for different patient groups;
> Research and knowledge sharing;
> Patient centric environments

OUTSOURCING

> Support functions that can be developed outside hospital premises;
> Laundry;
> Food Services;
> Sterilization;
> Stock Management;
> Pharmacy

Technological Building

Integration of new technologies, digital systems, big data and A.I., Building Management systems and robotics, for building sustainability and efficiency, lean clinical operations and better stock management.

DIGITAL HOSPITAL

> Health Information Systems and Digital records;
> Command Center, and big data monitoring of all hospital operations;
> Real-time decision making;
> Distance access and monitoring;
> Reaches outside community

HUMANIZED ENVIRONMENTS

> Visually concealed medical equipment;
> Integrated construction systems;
> Circadian lighting;
> Boundary free spaces, digitally interconnected

Telehealth Introduction

Conventional

TRADITIONAL PRACTICE

Traditionally, patient-practitioner relations have been based on a one-to-one consultation.

ADVANTAGES

> Human factor;
> Empathy and proximity of care;
> Direct visual and touch observation

CHALLENGES

> Lack of available specialists in remote locations;
> Travel distances and long waiting times;
> Exposure to disease;
> Late diagnosis and treatment

TELEPHONE

> First point of contact;
> Non-presenting triage;
> Guide patients to adequate Healthcare providers;
> Emergency numbers;
> 24h health advice solutions

Telehealth

LIVE VIDEO

> Two-way interaction patient-practitioner;
> Alternative to in-person consultation;
> Life-saving in remote locations

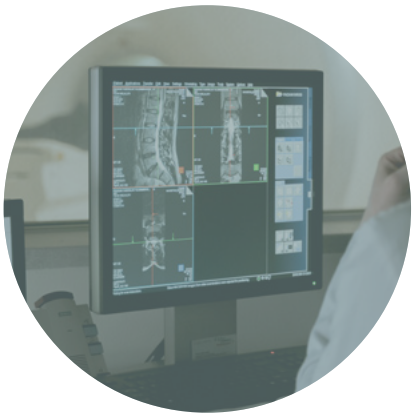
STORE AND FORWARD

> Transmission of recorded health history and exams;
> Off-line diagnosis by a specialist;
> Worldwide Access to Specialist Care

REMOTE PATIENT MONITORING

> Remote Health and Data collection;
> Continuous patient tracking;
> No need for Hospital admission;
> Patients can continue with daily life

New Technologies



Automation

VIDEO SURGERY AND TELEMENTORING

> Video-conferencing technology;
> Augmented reality illustrative techniques;
> Allows the mentoring surgeon to monitor local surgeon's cases

TELESURGERY AND ROBOTICS

> Long distance surgery, performed by a surgeon operating a console;
> Makes use of robotics as extensions of the surgeon arms (DAVINCI)

DRONE MEDICAL SUPPLIERS DELIVERY

> Fast access and delivery to remote or hard to reach locations;
> Cost effective medical supplies distribution;
> Fast delivery of critical products (laboratory samples, organs)

AUTOMATED GUIDED VEHICLES (AVG)

> Routine supplies distribution, error reduction, faster distribution;
> Allows staff to focus on patient-care activities improved quality of service;
> Real-time tracking and location reports

JUST IN TIME LOGISTICS

> Efficient stock management;
> Smaller stocks, available just in time

Digital & Internet of Things

MONITORING DATA INTEGRATION

> Remote monitoring;
> Smart sensors

MOBILE HEALTH

> Mobile communication devices;
> Education and health advice;
> Prevention and promotion of healthy behaviors;
> Alert systems (diseases outbreaks, catastrophes or others);
> Prevention and exercise;
> Mobile Healthcare applications;
> Remote monitoring, smart sensors and medical devices integration;
> Potential to keep patients healthy and to improve;
> Boost patient satisfaction;
> Engagement with doctors and information readily accessible anywhere.

Design Process

The importance of new technologies and tools in support the design process and their impact on the final design outcome.

BIM 3D / 4D / 5D / 6D

Building Information Modeling,
virtual construction of the building.

BIM 3D
> Elements represent physical objects;
> Integrated documentation process;
> Live Clash detection, information model

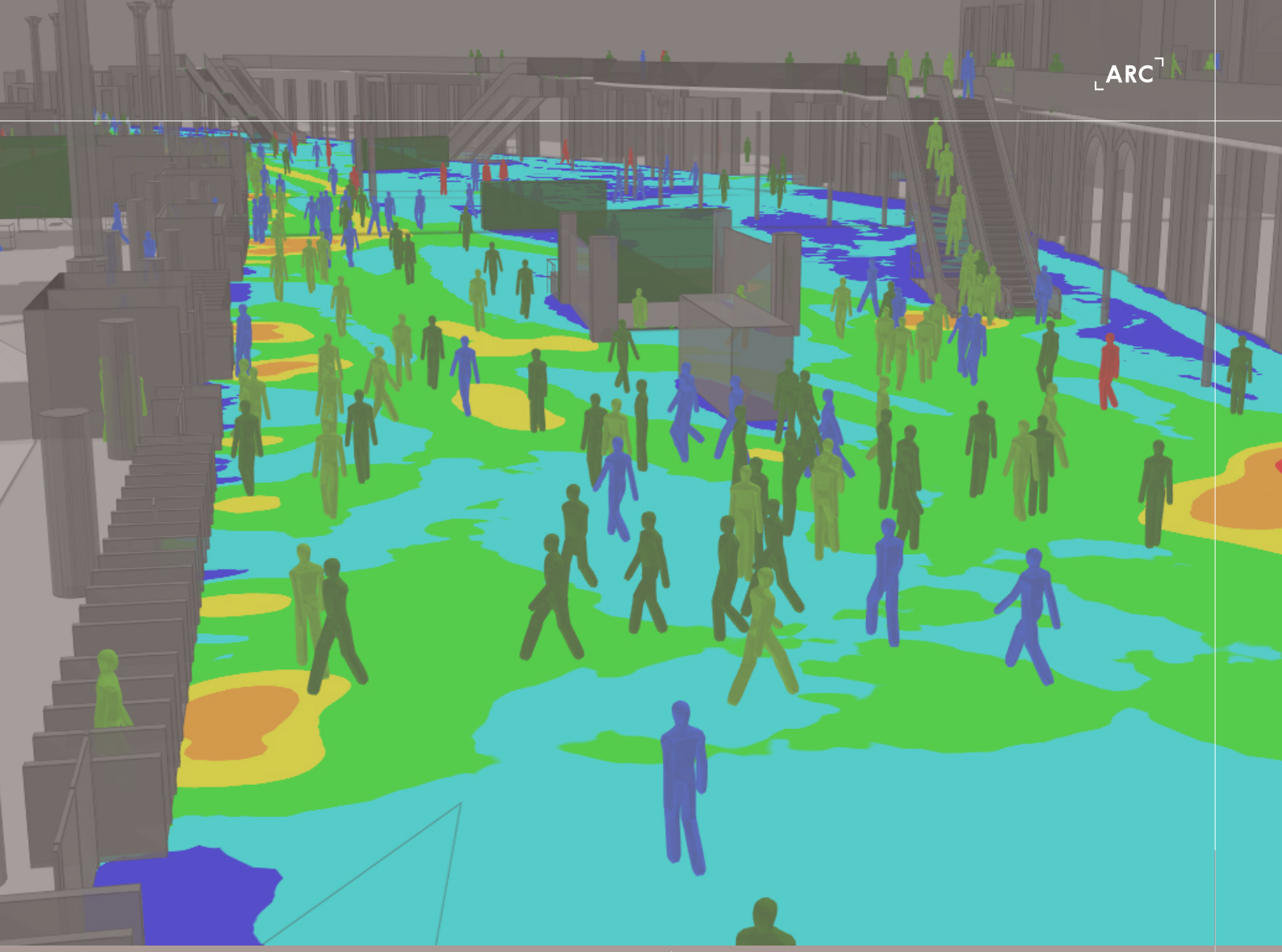
BIM 4D
> Construction sequence and time;
> Site planning;
> Building Feasibility studies

BIM 5D
> Preview capital cost (acquisition);
> Anticipate running costs (maintenance);
> Anticipate Replacement costs

BIM 6D
> Project life-cycle info management;
> Facilities management data

Conventional

TRADITIONAL 2D DOCUMENTATION PROCESS, NON-INTEGRATED DESIGN PROCESSES
> Time consuming;
> Design changes require manual update in all documents;
> Prone to error and uncoordinated design



Evidence Based Design

Evidence based design inputs, informed decisions lead to building optimization. The digital connected world has brought access to outstanding amounts of information: increasing computational capacity allows to us process all this data and make informed decisions.

BIG DATA

> Building Certification;
> Integral recognition;
> Accumulated Experience:
> Positive Outcomes:
> Hospital Reports:
> Government Reports:
> International Databases:
> International Reports:
> Demographics:
> Weather

Performance Based Design

Design optimization and automation. Scenarios simulation and evaluation. While development of algorithmic computation and artificial intelligence processing power has allowed the appearance of high performance design tools.

PARAMETRIC

> Automated design
> Iterative changing model
> Response to environment changes

ALGORITHMIC DESIGN

> Quantitative efficiency;
> Design optimization through automated iterations study

EVOLUTIONARY ALGORITHMIC DESIGN

> Smart algorithms that adapt to different scenarios;
> Faster and accurate outcomes;
> Self-created algorithms

03.

Selected Projects

King Faisal Medical City (KFMC)

ABHA, SAUDI ARABIA
2016

* Hospital design & visualisations by HDR.

Development of the masterplan to encompass all the housing, public amenities and buildings that compose the Medical City. The arrangement seeks to address the necessary zoning, proximities and circulation segregation, while guaranteeing a healthy environment where public spaces and private residential areas co-exist; social integration is promoted and a sustainable ecosystem can strive.

PROJECT DESCRIPTION
Housing and Non-Medical Buildings

AREA
459,150 sqm (BUA)
1,073,400 sqm (Site Area)

DESIGN ASSIGNMENT
Concept to Tender Design

CLIENT
Ministry of Health, Saudi Arabia

PROFESSIONAL SERVICES
Masterplanning, Architecture, Interior Design, Landscape Design

Prince Mohammed Medical City (PMMC)

AL JOUF, SAUDI ARABIA
2016

* Hospital design & visualisations by HDR.

Development of the masterplan to encompass all the housing, public amenities and buildings that compose the Medical City. The arrangement seeks to address the necessary zoning, proximities and circulation segregation, while guaranteeing a healthy environment where public spaces and private residential areas co-exist; social integration is promoted and a sustainable ecosystem can strive.

PROJECT DESCRIPTION
Housing and
Non-Medical Buildings

AREA
374,566 sqm (BUA)
890,071 sqm (Site Area)

DESIGN ASSIGNMENT
Concept to Tender Design

CLIENT
Ministry of Health,
Saudi Arabia

PROFESSIONAL SERVICES
Masterplanning, Architecture,
Interior Design, Landscape Design

Dialysis Centre & Outpatient Clinics

RIYADH, SAUDI ARABIA
2022

PROJECT DESCRIPTION
Dialysis Centre & Outpatient Clinics with 30 dialysis rooms and 30 clinics

AREA
4,400 sqm (BUA)

DESIGN ASSIGNMENT
Pre-Concept to Schematic Design

CLIENT
Confidential

PROFESSIONAL SERVICES
Masterplanning, Medical Planning, Architecture, Interior Design, Landscape Design, BIM, Visualizations

A Coruña University Hospital Complex

CORUÑA, SPAIN
2021

As a result of multiple extensions throughout the years, the University Hospital Complex of A Coruña is today a built complex that reveals various functional and spatial failures. The proposal for renovation and expansion seeks to resolve all functional aspects and care strategies, without losing sight of the importance of the 1500 bed hospital as a landmark public building. The design creates a modern, flexible hospital, integrated in the city, generating spaces for the public and promoting a healing environment in line with the latest patient care trends in health promotion and wellness.

Shortlisted for World Architecture Festival Award

PROJECT DESCRIPTION
Central Hospital, Renovation and Expansion

AREA
250,000 sqm (BUA)

BEDS
1,500

DESIGN ASSIGNMENT
Concept Design Competition

CLIENT
Xunta de Galicia, Consellería de Sanidade / Servizo Galedo de Saúde

PROFESSIONAL SERVICES
Masterplanning, Medical Planning, Architecture, Interior Design, Landscape Design, Visualizations

Clinica Europa

CASCAIS, PORTUGAL
2018 (CONSTRUCTION COMPLETE)

PROJECT DESCRIPTION
Clinic refurbishment

AREA
4,300 sqm

BEDS
16

DESIGN ASSIGNMENT
Concept to Detail Design and Technical Assistance during construction

CLIENT
Joaquim Chaves Saúde

PROFESSIONAL SERVICES
Medical Planning, Architecture, Interior Design, BIM, Visualizations, Technical Assistance

* Photographs Courtesy of Joaquim Chaves Saúde

Dr. Soliman Fakeeh Hospital

AL MADINAH, SAUDI ARABIA
2019 (UNDER CONSTRUCTION)

The fully patient-centric policy of this client's institution focused our design on providing the best possible patient experience for this 200 bed facility. Double height lobbies, natural light, green roofs and balconies integrated in the design create a 'healing garden' experience and soften the hospital look and feel. The hospital planning follows the latest trends in healthcare, considering personalization and a fully digital setup.

PROJECT DESCRIPTION
General hospital

AREA
65,743 sqm (BUA)

BEDS
200

DESIGN ASSIGNMENT
Pre-Concept to Schematic Design

CLIENT
Fakeeh Care Group

PROFESSIONAL SERVICES
Masterplanning, Medical Planning, Architecture, Interior Design, Landscape Design, Structural Engineering, BIM, Visualizations, Signage & Wayfinding

Aranda del Duero Hospital

ARANDA DEL DUERO, SPAIN
2019

A regional hospital located in the town of Aranda de Duero to serve the region of Castilla y León with a population of around 32,523 inhabitants.In urban terms, the hospital is expected to have a profound impact in the region. The aspiration of the project was to integrate an efficient, flexible and logical hospital with strategies for prevention and community support. The ambition to be a "hospital of reference" encouraged sophisticated design solutions targeting real benefits in the community and user experience.

PROJECT DESCRIPTION
General Hospital

AREA
42,000 sqm (BUA)

DESIGN ASSIGNMENT
Concept Design Competition

CLIENT
Ministry of Health, Spain

PROFESSIONAL SERVICES
Masterplanning, Medical Planning, Architecture, Interior Design, Landscape Design, Visualizations

Medical Complex Ernest Lluch

VALENCIA, SPAIN
2018

The Public Health Park has an important role to play in educating and promoting healthy lifestyle habits, in what can be seen as a mindset shift from illness to wellness. Open to the community and integrated in the urban fabric, the complex includes a long term rehabilitation hospital, outpatient, day care and educational facilities. The external gardens and roofs offer an invitation to the community, to be involved in a variety of healthy activities that promote health, integration and a change in habits.

PROJECT DESCRIPTION
Medical Complex

AREA
58,200 sqm (BUA)

BEDS
150

DESIGN ASSIGNMENT
Concept Design
Competition

CLIENT
La Conselleria de Sanitat Universal y Salut Pública

PROFESSIONAL SERVICES
Masterplanning, Medical Planning, Architecture, Interior Design, Landscape Design

Al Moosa Rehab and Long Term Care Hospital Building

AL-HASA, SAUDI ARABIA
2018 (UNDER CONSTRUCTION)

PROJECT DESCRIPTION
Rehabilitation and Long Term Care Hospital

AREA
67,000 sqm (BUA)

BEDS
288

DESIGN ASSIGNMENT
Detailed Design to Tender

CLIENT
Al Moosa, Saudi Arabia

PROFESSIONAL SERVICES
Interior Design

* Architecture and render by HDR

Punjab Agriculture, Food & Drug Authority Laboratories

LAHORE, PAKISTAN
2018 (UNDER CONSTRUCTION)

The new PAFDA laboratories integrate the most advanced techniques to provide state of the art services to the entire region. Distributed across six floors, the labs are open plan and designed with flexibility and future upgrade in mind. Serving as a center for scientific research and collaboration, it houses a large 200 seat auditorium and conference rooms for the scientific community. Aside from technical areas, all spaces benefit from natural light filtered by a second shading facade.

PROJECT DESCRIPTION
Laboratories

AREA
29,657 sqm (BUA)

DESIGN ASSIGNMENT
Concept to Tender design

CLIENT
Infrastructure Development Authority of Punjab (IDAP), Pakistan

PROFESSIONAL SERVICES
Masterplanning, Architecture, Interior Design, Landscape Design, BIM, Visualizations, Structural Engineering

* Laboratory Planning by HKS

LONDON
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