



DANIELA PEDRINI (S.I.A.I.S. - ITALY)

**Candidate for the IFHE Executive Committee
2026–2028**

President, S.I.A.I.S. – Italian Society of Architecture and Engineering for Healthcare

IFHE - Past President, International Federation of Healthcare Engineering – 2020-2022

IFHE-EU - Past President (2017-2019) and Secretary General,

Director, Hospital Engineering and Asset Management – University Hospital of Modena

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PROFESSIONAL PROFILE

Civil Engineer and senior healthcare infrastructure executive with more than thirty-five years of experience in healthcare engineering, hospital planning, design and construction, asset and facility management, project management, safety, sustainability and the transformation of complex healthcare facilities. Her career has developed almost entirely within the Italian Public Healthcare System, where she has held technical and managerial leadership positions in major university hospitals and local healthcare authorities.

Her professional activity combines strategic responsibility for healthcare infrastructure with a long-standing commitment to international cooperation, professional education and knowledge exchange. She has led large multidisciplinary teams and major capital programmes, including healthcare investments exceeding EUR 200 million.

KEY EXPERTISE

- Healthcare engineering and infrastructure strategy
- Hospital planning, design and refurbishment
- Project, programme and cost management (TCM)
- Public procurement, PPP and complex contracts
- Facility and asset management
- Sustainability, decarbonisation and climate resilience
- Energy efficiency and lifecycle management
- Fire safety, risk and business continuity
- Digital transformation, BIM, Digital Twins and AI
- International professional cooperation and education

SELECTED PROFESSIONAL EXPERIENCE

Since Aug 2024 | Director – Hospital Engineering and Asset Management

University Hospital of Modena (Azienda Ospedaliero-Universitaria di Modena), Italy

Responsible for the technical and administrative management of buildings, engineering systems and real estate assets of the Policlinico di Modena and Ospedale Civile di Baggiovara, including strategic planning, investment programmes, renovation, maintenance, safety, compliance and multidisciplinary project coordination.

Since Sep 2024 | Director – Asset Management (part-time appointment)

Azienda USL di Bologna, Italy

Responsible for administrative and contractual management and enhancement of the healthcare authority's real estate portfolio.

2021–2024 | Director – Intercompany Asset Management

Azienda USL di Bologna and IRCCS University Hospital of Bologna – Policlinico Sant’Orsola, Italy

Directed the intercompany unit responsible for the administrative and contractual management of healthcare real estate; previously served as Director of Asset Management at the University Hospital of Bologna, with responsibilities also including maintenance, Building Management Systems, mobility management, security management and fire safety.

2012–2021 | Director of the Technical Department

University Hospital of Bologna – Policlinico Sant’Orsola, Italy

Led the hospital technical department covering planning, investments, construction, maintenance, real estate management, mobility and security functions. Managed complex hospital development processes and a workforce of more than 120 staff.

2007–2021 | Director – Design, Development and Investments

University Hospital of Bologna – Policlinico Sant’Orsola, Italy

Supported the Board in planning and implementing major healthcare investments, new buildings, extensions and refurbishments. Served as project manager/RUP for major investments with an overall value exceeding EUR 200 million and for complex Project Financing initiatives involving technological plants and services.

EARLIER SENIOR APPOINTMENTS

- 2004–2006 – Director, Estate and Engineering Technologies, Azienda USL di Imola.
- 1997–2004 – Director, Technical and Logistics Services, University Hospital of Parma; coordinated a multi-year hospital investment programme estimated at EUR 290 million.
- 1990–1997 – Senior engineering and maintenance management roles within the Modena public healthcare system.
- 1988–1990 – Professional activity in hospital engineering and construction.

SELECTED MANAGEMENT EXPERIENCE

30+ YEARS Healthcare engineering	EUR 200M+ Major investments managed as RUP/Project Manager	120+ STAFF Technical department leadership
MULTI-SITE University and public healthcare organisations	LIFECYCLE Planning, delivery, operation and asset management	INTERNATIONAL IFHE, IFHE-EU and European project experience

INTERNATIONAL AND PROFESSIONAL LEADERSHIP

IFHE | Past President – President for the 2020–2022 term

International Federation of Healthcare Engineering

Long-standing involvement in IFHE and its international network, promoting professional exchange on healthcare planning, construction, engineering, commissioning, maintenance, facility management, sustainability and innovation.

IFHE-EU | Past President (2017-2019) and Secretary General

European Group of the International Federation of Healthcare Engineering

President from May 2017 to October 2019. Extensive experience working with European national associations and supporting cooperation, shared initiatives and knowledge exchange across the European healthcare engineering community.

S.I.A.I.S. | President of the National Council

Italian Society of Architecture and Engineering for Healthcare

Leads the Italian professional and scientific society for engineers, architects and technical professionals working in healthcare. Promotes professional education, multidisciplinary cooperation, research, innovation, sustainability and international networking.

EUROPEAN PROJECTS AND INTERNATIONAL CONTRIBUTIONS

- Coordinator and RUP for the University Hospital of Bologna within EcoQUIP Plus (2020–2024), a European Public Procurement of Innovation initiative.
- Experience in European initiatives focused on renewable energy, energy retrofit and low-carbon healthcare facilities, including RES-Hospitals and MA.R.T.E.
- Speaker at IFHE and IFHE-EU congresses and international events in Europe, North America, Latin America, Africa and Asia.
- Recent themes include climate resilience, sustainable healthcare facilities, project management, advanced construction technologies, organisational models and patient-centred healthcare engineering.

EDUCATION AND PROFESSIONAL QUALIFICATIONS

Civil Engineering Degree: University of Bologna – final grade 100/100

Second-Level Master's Degree: Project Management for Public Project Managers (RUP), 60 ECTS – final exam 30/30

Postgraduate Programme: Hospital Building Design and Management – University of Bologna

Management Training: Certificate for Directors of Complex Healthcare Units

PMP®: Project Management Professional – Project Management Institute

CERT'ing Advanced: Expert Engineer in Building Systems, specialising in healthcare building projects and processes

Economic Engineering: Certified Expert in Economic Engineering – AICE/ICEC framework

Safety Qualifications: Fire prevention professional and health & safety coordination qualifications

SELECTED INTERNATIONAL PUBLICATIONS AND KNOWLEDGE SHARING

- SIAIS Technical Report No. 1/2025 – Preparedness of European Healthcare Facilities facing Climate Change Related Risks (co-author).
- IFHE Digest 2024 – Effective and efficient organisation models (co-author).
- IFHE Digest 2023 – Challenges for women in healthcare engineering.
- IFHE Digest 2022 – COVID's impact on future of project management.
- IFHE Digest 2021 – COVID-19 and beyond: the Italian experience.

- IFHE Digest 2019 – Primary energy and gas consumption reduction.

LANGUAGES Italian: native | English: B2 | French: intermediate

MOTIVATION FOR CANDIDATURE TO THE IFHE EXECUTIVE COMMITTEE 2026–2028

My decision to stand as a candidate for the IFHE Executive Committee for the 2026–2028 term comes from my long-standing commitment to the Federation and from my strong belief in the increasingly important role that healthcare engineering must play in shaping the future of healthcare systems.

Having had the privilege of serving as President of IFHE in 2021–2022, and having been actively involved for many years in both IFHE and IFHE-EU, I have experienced first-hand the value of an international professional network capable of bringing together different countries, healthcare systems, technical cultures and professional experiences.

Healthcare facilities across the world now face interconnected challenges: ageing infrastructure, climate change, energy transition, digital transformation, demographic change, increasing healthcare demand, financial constraints and the need for resilience in emergency situations. These challenges require healthcare engineering to operate as a strategic discipline connecting infrastructure, technology, healthcare organisation, sustainability, safety, economics and the human experience of care.

1

Strengthening cooperation between IFHE and national member associations

IFHE's strength lies in its members and in the knowledge generated within healthcare organisations around the world. I would support the mechanisms for turning national experience into shared international value through working groups, technical reports, benchmarking, webinars, congresses and joint initiatives.

2

Strengthening the connection between IFHE and Europe

My experience in IFHE-EU and my relationships with European national associations would allow me to continue acting as an effective bridge between IFHE and the European healthcare engineering community, while ensuring two-way exchange with other world regions.

3

Sustainability, climate resilience and future-proof healthcare facilities

Energy efficiency, renewable energy, lifecycle assessment and costing, climate adaptation and resilient infrastructure should remain central priorities. IFHE can help members translate sustainability objectives into practical tools, indicators, case studies and benchmarks.

4

Digital transformation and innovation

Digital Twins, Artificial Intelligence, predictive analytics, BIM and smart-building technologies are changing how healthcare facilities are planned, built and operated. IFHE can help professionals evaluate these innovations through technical, organisational, economic and human perspectives.

5

Developing the next generation of healthcare engineering professionals

The sector needs multidisciplinary competencies and stronger engagement of young professionals. I would support education, professional development, diversity and cooperation among engineers, architects, healthcare professionals, facility managers, technology experts, researchers and decision-makers.

MY COMMITMENT TO IFHE

My professional career has given me the opportunity to manage hospitals, projects, people and complex transformations. My experience within SIAIS, IFHE and IFHE-EU has shown me that international cooperation adds an essential dimension: the ability to learn from one another and transform individual experience into shared knowledge.

I would be honoured to continue contributing to IFHE as a member of the Executive Committee for the 2026–2028 term, bringing technical and managerial experience, a commitment to dialogue and collaboration, and a strong focus on the active involvement of national member associations.

My objective is to help IFHE remain a strong, inclusive and forward-looking international Federation, capable of contributing concretely to safe, sustainable, resilient, innovative and people-centred healthcare facilities worldwide.

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