



AP-HP International

HEALTHCARE STRATEGY CONSULTING
DESIGN, ENGINEERING AND SUPERVISION
MANAGEMENT CONSULTANCY AND ASSISTANCE
TRAINING



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AP-HP International

THE EXPERTISE AND KNOW-HOW OF A MAJOR HEALTHCARE
INSTITUTION SERVING INSTITUTIONS WORLDWIDE

AP-HP INTERNATIONAL HAS A PERMANENT STAFF WITH STRONG EXPERIENCE, PARTICULARLY IN THE FIELDS OF PUBLIC HEALTH, HOSPITAL ENGINEERING AND MANAGEMENT OF CARE FACILITIES. IN ADDITION, AP-HP INTERNATIONAL DRAWS ON THE EXTENSIVE KNOW-HOW OF THE 100,000 ASSISTANCE PUBLIQUE - HÔPITAUX DE PARIS (AP-HP) HEALTHCARE PROFESSIONALS FOR SPECIFIC NEEDS OR RARE SKILLS. THUS, THE COMPANY'S FIELD OF EXPERTISE IS BOTH BROAD AND SPECIALIZED.

A multidisciplinary
team with expertise
in the health industry,
and more specifically,
hospitals.

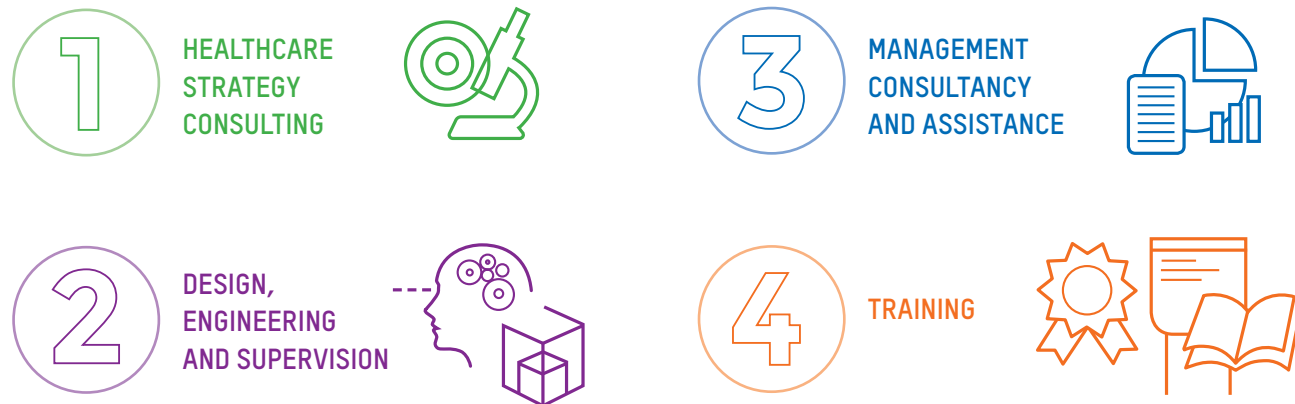
AP-HP International's methodological approach is centered both on taking into account the data of the environment in which the client's request is embedded and on providing services adapted to the intended goals. AP-HP International mobilizes the most appropriate expertise and proposes the most relevant solutions for the project. Through these activities, the aim is to contribute to the improvement of the healthcare systems in which the submitted projects evolve, keeping in mind at all times the goal of improving access to quality care for a greater number of patients.

Because it is affiliated to AP-HP, AP-HP International enjoys credibility and a reputation for excellence in the analysis of issues related to the management of care in a medical environment that is constantly changing and is in continuous progress.

Its creation stems from the possibility offered to French university hospital centres (CHU) to set up subsidiaries in specific fields by the Act of 6 August 2015. AP-HP International is controlled by a Supervisory Board chaired by the Chief Executive Officer of AP-HP and a Commitment Committee for contracts with a long-term commitment to the company.

OUR MISSIONS

AP-HP INTERNATIONAL MAINLY OPERATES IN 4 MAJOR AREAS:



OUR ORGANIZATION AND OUR HUMAN RESOURCES

A MULTIDISCIPLINARY TEAM WITH EXPERTISE IN THE HEALTH INDUSTRY,
AND MORE SPECIFICALLY, HOSPITALS





Assistance Publique - Hôpitaux de Paris

THE IDENTITY OF AP-HP INTERNATIONAL IS STRONGLY LINKED TO THAT OF ASSISTANCE PUBLIQUE - HÔPITAUX DE PARIS.

An age-old history

AP-HP was born in the middle of the 19th century, but its roots go back to the Middle Ages: the Hôtel-Dieu de Paris was built in the 12th century, at the foot of Notre-Dame Cathedral; the Grand bureau des pauvres was created in 1544 by King Francis I, to cope with vagrancy and take care of the infirm; the Hôpital général was founded by King Louis XIV in 1656; it took in children, the elderly, the blind, the handicapped, the insane, beggars...

At the time of the Revolution, a law of 1796 placed all hospitals under the responsibility of municipalities. In 1801, the Consulate instituted a "General Board of Directors of the Hospices de Paris", the ancestor of AP-HP. The Act of 10 January 1849 created the "General Administration of Public Assistance in Paris" and marked the beginning of the modern history of AP-HP. For a century, AP-HP has been developing its medical activities while maintaining its mission of assisting the destitute, the elderly, the incurables and abandoned children. AP-HP underwent a major transformation beginning in the 1960s as medical and child welfare were transferred to communities.

The teaching and research component was rethought with the creation of University Hospital Centres (CHU), in 1958. At the beginning of the 2000s, new departments and poles of activity, and the establishment of hospital governance, further enhanced the modernization and efficiency of AP-HP.

AP-HP Today

AP-HP is the largest university hospital centre in Europe and is known worldwide.

Its 39 hospitals receive more than 8 million patients every year: for consultations, emergencies, scheduled hospitalisations or home hospitalisations.

AP-HP provides a public health service for all, 24 hours a day. It is both the duty and pride of AP-HP.

AP-HP is the largest employer in the Paris region: nearly 100,000 people – including doctors, researchers, paramedics, administrative staff and workers – work at AP-HP.

AP-HP IN FIGURES

8.3 million patients
20,098 beds for all disciplines
50% of French clinical research
54 surgical wards
 or **315 operating theatres**
1,375,538 stays in obstetric medicine and surgery (OLS)
 of which **55%** are in day hospitals
1,505,060 emergency room visits
38,520 deliveries
 in **13 maternity wards**
8,397 scientific publications
100,000 health professionals
13,220 physicians
 and **3,680 internships**
389 centres of reference for rare diseases
450 foreign physicians trained each year
825 active patent portfolios
44 expert centres for oncology
3,700,000 m² of hospital built area
400 million euros investment each year, including equipment for **100 million euros**

Scope of our Activity

BASED ON THE EXPERIENCE OF AP-HP AND ITS SPECIALIZED TEAMS, AP-HP INTERNATIONAL OFFERS A WIDE RANGE OF SERVICES IN THE FIELD OF CARE, RESEARCH, MANAGEMENT, TRAINING AND ENGINEERING.



1

HEALTHCARE STRATEGY CONSULTING



Medical Project
and Medical Activities
(Facility / health card)

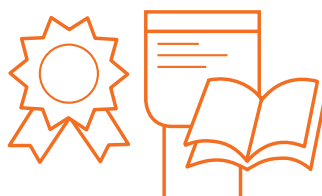
Medical Human Resources

Audit

Quality of care

Research

Organization of clinical research



TRAINING

4

Hospital Management

Quality Management

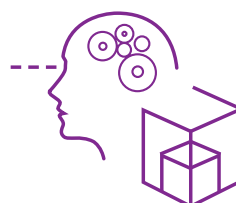
Training of Paramedical Staff

Clinical Research

Disaster Medicine / Medical Emergency
Services (EMS) and Medical Regulation

Strengthening Medical Skills

AP
INTERNAT



2

DESIGN, ENGINEERING AND SUPERVISION

Feasibility Study

Assistance to the Project Owner for
Investment Projects

Engineering Office: Pre-design and
Programming Studies

Assessment of the Need for Medical
and Non-Medical Equipment

Maintenance Policy

Audit



MANAGEMENT CONSULTANCY AND ASSISTANCE

3

Business Plan and Financing

Establishment Project

Organization of Support Functions

Human Resources Needs Assessment

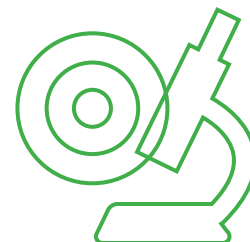
Audit

Support for Management
and Organizational Improvement

Information Systems



Healthcare Strategy Consulting



The main focus of this consulting activity is on the initial phases of the design of a new hospital:

- Analysis of the supply and demand for care in the area concerned;
- Analysis of hospital care needs not covered so far, taking into account the demographic, epidemiological and technical projections and the evolution of the health-care offer in that area;
- Development of a medical project;
- Definition of the functional, capacity and equipment consequences of this medical project;
- Impact of the medical project from the point of view of human resources and economic balance for the future hospital;
- Economic balance of the institution.

In these areas, AP-HP International operates by taking into account the environment in which the project is embedded and according to the goals set by its client. Its role is to best translate these goals into an operational roadmap, highlighting all the success factors to be taken into consideration, as well as all the risks inherent in this type of project.

The infrastructure to be designed is first and foremost a tool serving medical or research objectives. Given the highly technical nature of healthcare buildings or laboratories, and therefore the often-significant investment required to build them, they must be correctly dimensioned and their long-term maintenance costs must be assessed, as must the human resources required for their proper operation.

Thanks to its skilled experts and its international experience, AP-HP International offers its clients a service that is fully in line with the intended goals by dealing with all aspects without focusing exclusively on one issue, thus reducing the risks for the project owner.

The various roles assigned to AP-HP International are therefore different depending on its clients:

- Technical assistant in strategy development, along with partners or alone;
- Technical assistant at the opening of a hospital;
- Assistant to the project owner for project management, from project definition to implementation.

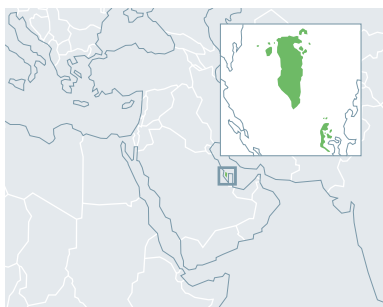
Other approaches to strategic health consulting are also carried out, either from the perspective of capacity building in public health, or with a view of promoting biological research work and developing clinical research activities.



Our experience in strategic consulting:

BAHRAIN

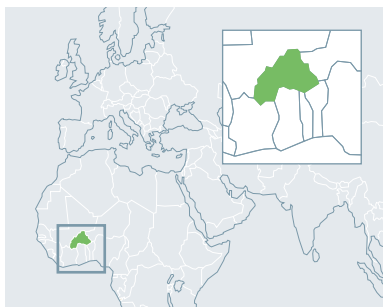
Design of the medical project for a Mother&Child hospital in **Bahrain** for a builder in association with public authorities.



BURKINA FASO

Review of medical projects that have already been set up, AP-HP International being in the position of assistant to the project owner or funder:

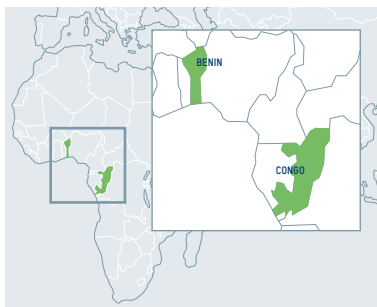
- A regional hospital in **Burkina Faso** on behalf of a project promoter to ensure the reliability of a funding application.



CONGO BENIN

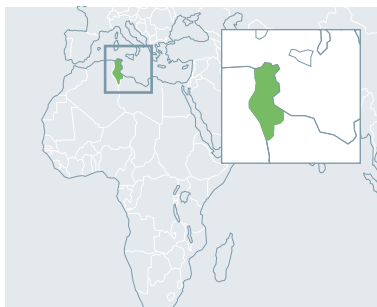
As part of broader studies, including feasibility studies, AP-HP International has developed several medical and establishment projects:

- Development of the establishment project of the Brazzaville University Hospital Centre in **Congo**.
- As part of a project management assistance for the construction of a University Hospital Centre in **Benin**.



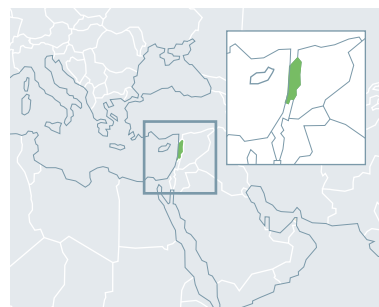
TUNISIA

As part of broader studies, Medical project for a regional hospital for the French Development Agency in Sidi Bouzid, **Tunisia**.



LEBANON

Support for the design of a national public health laboratory in **Lebanon** on behalf of the French Development Agency.



ARGENTINA

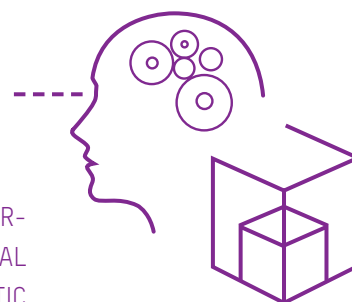
Technical assistance for the promotion, in human clinics, of research work in glycobiology in **Argentina** on behalf of a Ministry (international call for tenders).





Design, Engineering and Supervision

BACKED BY THE UNIQUE EXPERIENCE OF AP-HP AND ITS SPECIALISED TEAMS, AP-HP INTERNATIONAL SUPPORTS ITS CLIENTS THROUGHOUT THE PROCESS OF BUILDING A HOSPITAL INFRASTRUCTURE (GENERAL HOSPITAL, SPECIALISED HOSPITAL, DAY HOSPITAL OR DIAGNOSTIC CENTRE, UNIVERSITY HOSPITAL, LABORATORIES, ETC.).



From design to opening, AP-HP International's role is multi-faceted, based on the client's needs, the project's specific environment and its complexity. AP-HP International provides project management assistance, in-house or sub-contracted consulting, and expertise tailored to meet the project's constraints.

Feasibility Study – Design

- Detailed medical project, activity and surface and functional impact.
- Functional and Technical Program and Detailed Technical Program, including room by room.
- Assistance in the awarding of the project management contract: drawing up of specifications, analysis of offers and choice of contractor and supervision of design studies.
- Assistance in the awarding of work contracts: preparation of specifications, analysis of offers and choice of contractor.

Construction

- Method engineering: definition of working methods during the construction phase with all the players involved (controlling deadlines and costs).
- Assistance to the management of the work's execution
- Assistance with visa preparation.
- Scheduling Construction Site Management
- Work follow-up according to the client's needs and the structuring of the project on behalf of a public or private project owner.
- General infrastructure maintenance plan.
- Assistance in the awarding of maintenance contracts.

Opening

- Support to the Assistance of Operations prior to acceptance.
- Operational start-up operations.
- Implementation of the maintenance policy, including training where appropriate.

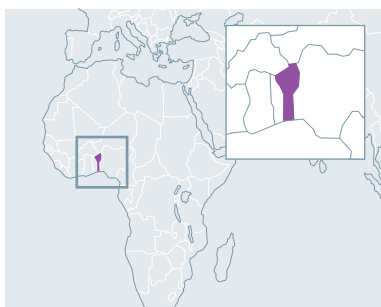


Since it was founded in 2017, AP-HP International has been called upon on numerous occasions to intervene in this field. A few past or current references are presented below:

BENIN

Since 2017, Assistant to the project owner and advisor to the Ministry of Health of Benin for the design, construction, equipment and management of a new University Hospital Centre.

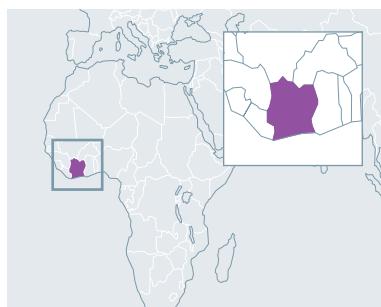
Within this framework, AP-HP International drew up the preliminary documents necessary for investment: medical project, functional and technical program, equipment plan, detailed technical program. Acting as an advisor to the project owner, AP-HP International was involved in the choice of project management and in the supervision of the various stages of design. Its role continues in preparation for the construction phase through regular supervision of the works and equipment as well as the verification of pre-opening operations when the time comes. A study on the management of the establishment is also expected.



IVORY COAST

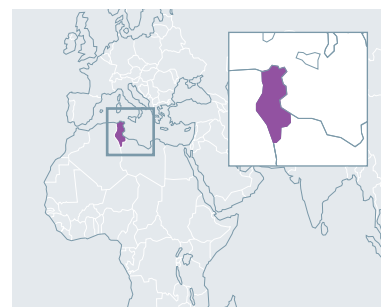
Assistant to the project owner and advisor to an investment fund for the design, construction and /or rehabilitation, equipment, maintenance and financing of a University Hospital Centre in Abidjan, Ivory Coast since 2018.

As such, AP-HP International has produced all the preliminary studies, developed several feasibility scenarios, developed and led the procedure for choosing the project manager on behalf of its client and will assist the client throughout the project to ensure that it is carried out in accordance with international standards.



TUNISIA

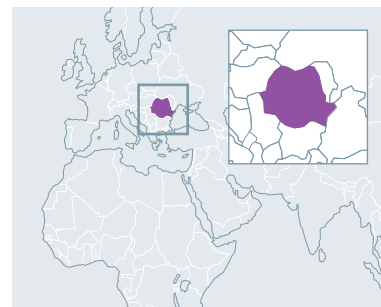
As part of broader studies, medical project for a regional hospital for the French Development Agency in Sidi Bouzid, Tunisia.



ROMANIA

Supervision and expertise of medico-architectural feasibility studies, AP-HP International being in the position of assistant to the project owner or funder:

- 3 regional hospitals in Romania within the framework of European Union funding.





Biomedical Engineering

Audit of equipment on site

- On-site functional and quantitative analysis.

Equipment plan, data sheets and building - equipment interface

- Evaluation of experiences in terms of equipment in adequacy with the medical project and users' needs in the design and execution phase.
- Pre-installation data sheets for equipment in the design and execution phase.
- Integration of equipment into its environment: impact of technical and physical requirements in the design and execution phase.
- Layout of equipment and technical requirements in the detailed plans (DWG format).

Purchase of equipment

- Simplified technical specifications of equipment and drawing up of specifications.
- Technical, administrative and financial coordination for the choice of equipment: issuing calls for tenders tailored to the client's needs, analysis of tenders and technical and financial negotiation.

Installation of equipment

- Coordination and supervision of the installation or re-installation of equipment on site and providing training programs.

Maintenance

- Drawing up maintenance plans and implementation of a CMMS (Computerized Maintenance Management System).
- Follow-up of the maintenance of medical equipment on site.

Information Systems Engineering

Information Systems Strategy

Before the start of a project and depending on the existing technological environment and the intended goals in terms of computerization and digitization, AP-HP International can conduct a study to define the strategy of the Hospital Information System (HIS) project.

Information systems master plan

Depending on the medical project and the information systems strategy, the information systems master plan will translate the global and operational 5-year strategy of the information systems requirements, including the technical prerequisites, the expected functionalities and the organization to be implemented.

Technical assessment of network dimensioning

During the design phase of a project, a study is necessary in order to correctly dimension the IT infrastructure and networks, in particular to determine the budget.





References:

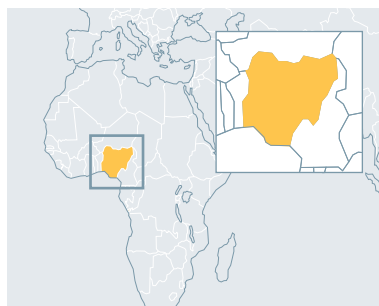
KAZAKHSTAN

Advising a leading French construction company on the pricing of its equipment for a hospital in **Kazakhstan**.



NIGERIA

Advice to an engineering office for the development of the equipment plan and the elaboration of the technical data sheets for the most critical medical equipment in **Nigeria**.



BENIN

Defining strategic orientations in terms of information systems as part of the construction of The University Hospital Centre in **Benin**.



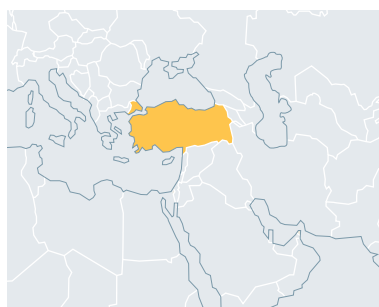
GUINEA

Advice to an engineering office for the development of the equipment plan and the elaboration of the technical data sheets for the most critical medical equipment in **Guinea**.



TURKEY

Consultancy and technical assistance to a development bank on the specifications and appraisal of tenders for a capital investment plan for a hospital with over 300 beds in **Turkey**.



IRAN

Consultancy for the definition of an information system for a new paediatrics hospital.





Management Consultancy and Assistance

WITH THE EXPERIENCE OF AP-HP, WHICH MANAGES 39 ESTABLISHMENTS, AP-HP INTERNATIONAL PROPOSES TO ITS CLIENTS, THANKS TO THE MOBILIZATION OF ITS SPECIALIZED EXPERTS, EITHER A SPECIFIC OR GENERAL INTERVENTION, IN ACCORDANCE WITH THE NEEDS AND CONSTRAINTS OF THE PROJECT FOR THE OPERATION OF AN ESTABLISHMENT.



AP-HP International assists its clients to ensure that healthcare quality and activity management comply with the highest international standards. Depending on the type of support (organizational development of the establishment; audit; supervision of operations), AP-HP International also offers technical assistance for the labeling of the establishment or some of its services with reference to AP-HP, the largest University Hospital Centre in Europe.

Organization of Care Pathways

- Definition of hospital governance.
- Definition of care pathways and elaboration of care protocols.

Human Resources and Training

- Audit of the current situation.
- Identification of key persons, human resources dimensioning of the hospital and drafting of job descriptions.
- Recruitment and/or training plan.
- Opening plan of the hospital and department operational functioning (planning etc.).

Business Plan

- Quantifying all resources, especially human resources.
- Setting financial targets.
- Balanced scenarios and scenarios for achieving expected returns.
- Modeling the target operating account.

Definition of Key Management Indicators

- Definition of indicators and assessment of the capacity to produce them.
- Implementation of an action plan and a multidimensional dashboard.

Opening of a New Establishment

- Definition of the opening plan with forecasts for the gradual opening of departments.
- Logistics plan.

Involvement and/or Supervision of Management

- Audit and/or implementation of an efficient procurement and supply policy.
- Implementation and monitoring of indicators and management control.
- Provision of qualified personnel on site or under supervision in key positions.
- Oversight of medical policy.
- Setting a management support contract according to the customer's needs.

AP-HP Labelling

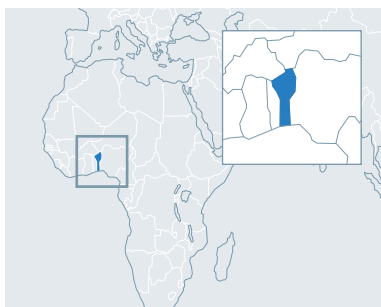
- Scoping and needs assessment.
- Presentation of the evaluation framework.
- Evaluation approach.
- Possible award of the label (bronze/silver/gold/platine) and recommendations.



References:

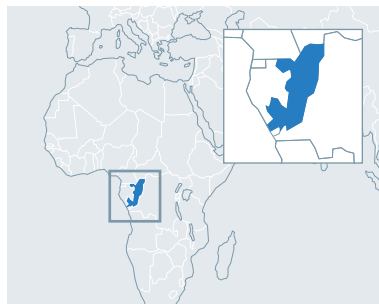
BENIN

Comprehensive audit (infrastructure; equipment; management and quality of care) of 13 level 2 and 3 hospitals in **Benin**.



CONGO

Development of the establishment project of the University Hospital Centre in Brazzaville, **Congo**, and training programme for health managers on behalf of an French expert public agency.



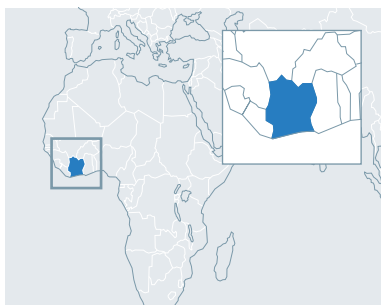
TUNISIA

As part of a general consultancy role, assessment of human resource needs for the construction of a University Hospital Centre in Gafsa, **Tunisia**, and assessment of the budgetary resources required for its operation.



IVORY COAST

Consulting and assistance in the assessment of the country's human resources for health in the areas of human resources dimensioning, productivity standards and skills assessment benchmarks and tools.



VIETNAM

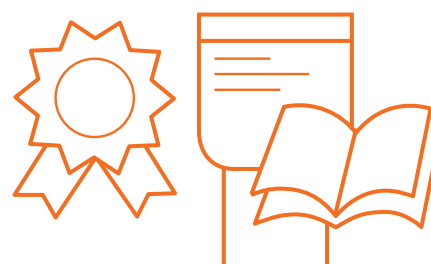
Support for the opening of a hospital in **Vietnam** with the planning of the transfer of activities, support for the quality approach, the medical and care organization of the clinical departments, the development of care protocols and the hospital's target business plan.





Trainings

AP-HP INTERNATIONAL ORGANISES TRAINING PROGRAMMES IN FRANCE AND ABROAD FOR FOREIGN HEALTHCARE PROFESSIONALS, INCLUDING PHYSICIANS, NURSES AND HOSPITAL DIRECTORS.



The expertise and know-how of a major healthcare institution serving institutions worldwide

Since 2017, AP-HP International has been developing training programs adapted to the identified needs of its partners for healthcare professionals. These training programs allow AP-HP to showcase its pedagogical and scientific expertise abroad, and to exchange with professionals from a variety of backgrounds in various fields such as clinical research, management, or emergency medicine.

The training courses are held in French or English, but AP-HP International remains available to adapt to other languages with the contribution of qualified interpreters.

KEY FIGURES

20 training courses given
400 people trained
80 experts mobilized
15 beneficiary countries

USEFUL INFORMATION

VENUE: Paris or abroad.
DURATION: Short formats (2 to 4 days) or long (5 to 10 days) depending on the needs indicated.
LANGUAGES: French, English, other languages possible with an interpreter.
FORMATS: Courses, visits, workshops.



Our Trainings:

HOSPITAL MANAGEMENT

STRENGTHEN SKILLS IN HOSPITAL MANAGEMENT AND PROJECT MANAGEMENT.

- Hospital governance and care organization
- Project management and change management
- Hospital performance
- Human Resources

Hospital directors, administrators and managers, senior physicians.

QUALITY MANAGEMENT

UNDERSTAND THE QUALITY MANAGEMENT AND TOOLS IN THE HOSPITAL ENVIRONMENT.

- Patient Safety
- Certification and quality label
- Managing Adverse Events
- Risk management and hygiene

Nurses, health executives, senior health executives, directors of care, hospital directors, department heads.

PARAMEDIC TRAINING

EXPLAIN THE OPERATING PRINCIPLES OF HEALTHCARE ORGANIZATION.

- Managerial practices
- Quality
- Caregiver risk management
- Patient pathway

Nurses, health executives, senior health executives, directors of care.

CLINICAL RESEARCH

DEVELOP SKILLS IN CLINICAL RESEARCH METHODOLOGY.

- Biostatistics
- Research Ethics
- Specialized Practices
- Management Organization

Hospital doctors, hospital managers, scientists and researchers.

DISASTER MEDICINE / MEDICAL EMERGENCY SERVICES (EMS) AND MEDICAL REGULATION

DISCOVER THE FRENCH SYSTEM OF MEDICAL EMERGENCY SERVICES AND ITS ADAPTABILITY.

- Management of natural, chemical, biological, terrorist, etc. risks
- Evacuation and disaster management control
- Crisis management
- Handling tools

Emergency physicians, healthcare professionals in contact or working in the field of emergency medicine and EMS.

MEDICAL SKILL BUILDING

PROMOTE INTERNATIONAL EXCHANGES AND ACQUISITION OF NEW SKILLS.

- Observation of good practices
- Quality and safety of care
- Team management
- Risk management

All types of hospital occupations: physicians, paramedics, nurses' aides, engineers, hospital directors.

Our references:

10 days, hospital management training in partnership with Forhom, Paris, November 2017 and 2018, 20 attendees.

15 days, hospital management training for a Vietnamese delegation, July 2019, 18 hospital directors.

Quality of care for the Gynecology-Obstetrics Hospital, Hanoi (Vietnam), 2017, 40 attendees.

15 days, quality management training, April 2019, 16 hospital directors from Hanoi (Vietnam).

15 days, training of health executives of hospital No. 9 of Shanghai (China), Paris, November 2019, 20 attendees.

6 days, junior doctors from hospitals affiliated to Jiao Tong University in Shanghai (China), Paris, September 2017 and 2018, April 2019, 15 attendees/session.

4 days, Hanoi Emergency Centre (Vietnam), 2017, 40 attendees/session.

3 sessions of 4 days, Development of the Simulation and Emergency Medical Services in Naypydaw, Myanmar, 2018-2020, 80 attendees.

Development of the emergency medical department in Hanoi (Vietnam), 2019-2021, ongoing.

One-month observation internship for foreign doctors from Peking Medical University (PUMC), August 2017, 2018, 2019, 20 attendees.

2-month observation courses of 4 Georgian clinicians from the National Tuberculosis Centre (NCTLD) in 2 laboratories of AP-HP, March - December 2018.

Geographic activity and references 2017 - 2020

COUNTRIES WHERE A PROJECT WAS STARTED OR COMPLETED IN 2017-2020

ARGENTINA
BAHRAIN
BENIN
CHINA
CONGO (BRAZZAVILLE)
IVORY COAST
GEORGIA
GUINEA CONAKRY
IRAN
LEBANON
MOROCCO
MEXICO
MYANMAR (BURMA)
NIGERIA
KAZAKHSTAN
KUWAIT
PARAGUAY
ROMANIA
TUNISIA
TURKEY
VIETNAM

COUNTRIES IN WHICH PROSPECTING WAS CARRIED OUT IN 2017-2020

ARGENTINA	MYANMAR (BURMA)
BENIN	OMAN
BOLIVIA	PANAMA
BRAZIL	PARAGUAY
BULGARIA	PERU
CAMEROON	ROMANIA
COSTA RICA	SINGAPORE
IVORY COAST	SLOVAKIA
HONDURAS	VIETNAM
HUNGARY	
JORDAN	





Assistance Publique - Hôpitaux de Paris

AP-HP IS A UNIVERSITY HOSPITAL CENTRE WITH A EUROPEAN DIMENSION
AND WORLDWIDE RECOGNITION PROMOTING HUMANISTIC AND UNIVERSAL VALUES,
IN LINE WITH ITS MISSIONS AND ITS LONG HISTORY.

A MAJOR UNIVERSITY HOSPITAL CENTRE

20,098 beds in all disciplines,
including **2,823** for day hospitals

700 departments

54 surgical wards, i.e. **315** operating theatres

EMERGENCY MANAGEMENT

1,505,060 emergency room visits

25 general emergency services:

17 adults and **8** children

6 trauma centres including **1** for children

1,875,583 calls received at AP-HP **4** EMS centres 112

8 Mobile Emergency and Resuscitation Service
(with mobile emergency and resuscitation vehicles)
for adults and **4** for children

QUALITY OF CARE

Creation of **patient trophies** to reward the best initiatives
to improve the quality of life in the hospital

Creation of a **hospitality label** to improve patient reception

All hospitals **certified V2014** by the French *Haute Autorité de Santé*

CARE ACTIVITY

8.3 million patients

1,375,538 stays in Medicine, Surgery and Obstetrics,
55% which in day care

5,217,000 visits

38,520 deliveries in the **13** maternity wards

355,126 surgeries

389 centres of reference for rare diseases

2,264 transplants

4 centres equipped for major cardiology procedures

CUTTING-EDGE EQUIPMENT

477,286 scan procedures

198,072 MRI procedures

53,883 gamma camera procedures

35,924 Position Emission Tomography (PET) procedures

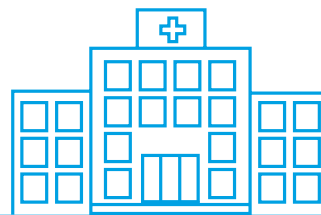
13 surgical robots

GENETICS

2 CAR-T cell gene therapy treatment centres

Opening of a dedicated biotherapy platform in 2018

AP-HP hosts Paris region's genomics platform (SeqOIA)



ONCOLOGY

31% of the region's cancer patients are treated in AP-HP hospitals

61,844 patients in care

44 expert centres in oncology

1 Cyberknife robotic radiosurgery system

LARGEST EMPLOYER IN THE REGION

+ more than **210** professions

Nearly **100,000** healthcare professionals

13,200 physicians and **3,680** interns

A TEACHING CENTRE

8,087 students in initial training

5,464 medical students

20% of the physicians were trained in AP-HP

500 foreign doctors welcomed per year

33 schools including **16** for nurses,
9 for nurses' aides **6** for medical technicians
and **2** for midwives

RESEARCH

1st European Research Centre

50% of clinical research done with AP-HP

4,000 clinical trials are underway

4,043 search projects in progress, all promoters combined, including **1,239** promoted by AP-HP

1,847 projects for industrial promotion

825 active patent portfolios

8,397 scientific publications

940 biological databases

A UNIQUE HERITAGE

+ **3,700,000 m²** of hospital built area

A permanent renewal of infrastructures:

- New Saint-Louis Burn Centre (2009)
- New maternity hospital Cochin (2011)
- New cardiology building at Pitié Salpêtrière (2011)
- New Necker building (2012)
- New Emergency Surgery and Intensive Care Building in Tenon (2012)

- New Rothschild building specialising in geriatrics and rehabilitation (2010)

- New Picpus training centre (2018)

- New Lariboisière Project (2014-2022)

- Project to merge 2 large hospitals (Bichat Beaujon 2016-2025)

Nearly **€ 100 M** investment in equipment each year

AP-HP MAJOR DISCOVERIES AND WORLD FIRSTS

1958 Discovery of HLA system
(Prof. Dausset, Nobel Prize in Medicine 1980)

1960 World's 1st kidney transplant from an unrelated living donor (Prof. Küss and Prof. Legrain)

1965 1st treatment against leukemia (Prof. Bernard)

1982 Birth of the 1st test-tube baby in France
(Prof. Frydman; Testart; Papiernik)

1983 Contribution to the discovery of the human immunodeficiency virus – VIH
(Prof. Barré-Sinoussi, Nobel Prize for Medicine 2008)

1990 1st triple heart-lung-liver transplant
(Prof. Carpentier; Houssin; Couetil)

2010 1st integral face transplant (Prof. Lantieri)

2013 1st artificial heart implant
(Prof. Carpentier; Latrémouille)

2014 1st transplantation of heart cells derived from human embryonic stem cells
(Prof. Menasché; Larghero)

2017 Remission in the world's first patient with sickle cell disease treated with gene therapy
(Prof. Cavazzana)

2017 World's first Augmented Reality Surgery with international video assistance (Prof. Gregory)

2018 World's First Successful Tracheal Reconstruction
(Prof. Garabédian)

2018 World's First Successful implantation of an artificial respiratory organ in 12 patients (Prof. Martinod)

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Legal Notice

AP-HP International SAS registered with Paris Commercial registry,
RCS number 824.674.873 with an initial capital of € 250,000.



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