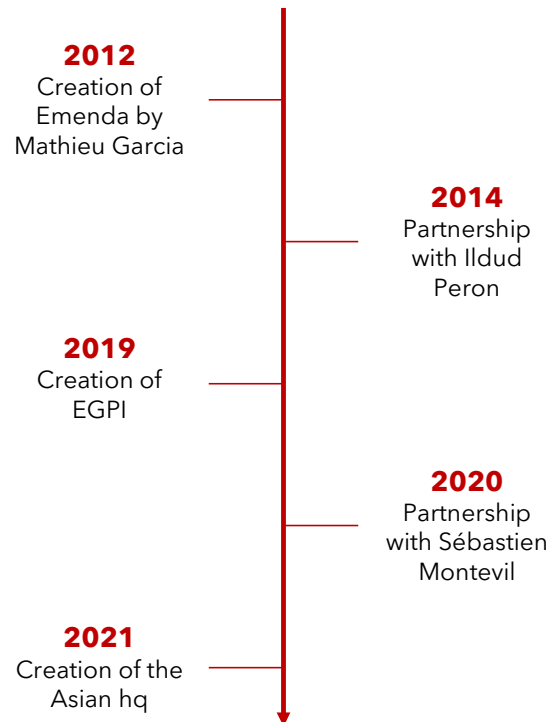




**ENGINEERING FOR MEP DESIGN
ENERGY EFFICIENCY AND
ENVIRONMENT**

OUR HISTORY



EGPI (Emenda Grands Projets & Industrie) is a 40 people French consulting, engineering, project management & execution company specialized in MEP (Mechanical, Electrical, Plumbing), energy efficiency and renewable energies & environment, located in France (Nantes, Rennes, Paris) and in Cambodia.

9 years after the creation of his parent company EMENDA and on the strength of its experience in operations of varied sizes and complexity (up to € 100 million and 80,000 m²) in France and abroad (Morocco, Dubai, Nepal...), we develop an export activity.

An opportunity was given to us by VINCI Group in Southeast Asia, which trusted us for the design of the future Sihanoukville terminal in Cambodia, a country with several advantages: need for expertise in MEP, strong demand, affordable and qualified labor, central position in ASEAN ...

A managing director in the person of Vincent Garcia is committed to developing a local team (with cambodian engineers registered in Board of Cambodian Engineers) who works with the full support of the Group Based in France.

OUR TEAM



Vincent Garcia
General Manager Asia
Phnom Penh, Cambodia



Guillaume Le Bris
MEP Engineer
Phnom Penh, Cambodia



Mathieu Garcia
Partner / CEO
Nantes, France



Ildud Peron
Partner / CTO
Nantes, France



Sébastien Montevil
Partner / COO
Paris, France



A local team with French management and expatriate experts to provide on-site presence, easy contact and competitive costs



A design & project management office with 40 experimented French engineers, who handle international projects and ensure the quality of all our designs

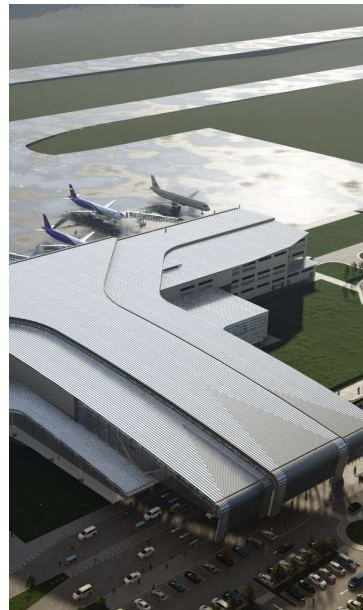
OUR MARKETS

Our field of expertise covers all types of building markets

BUILDING



PUBLIC INFRASTRUCTURE



ENERGY



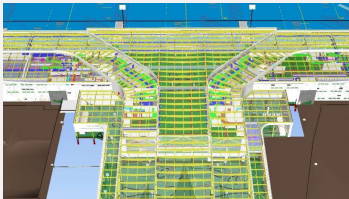
INDUSTRIAL



OUR SERVICES

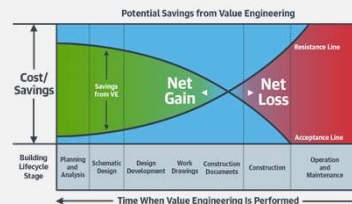
We provide value engineering services and solutions for more benefits for the client & the planet

MEP DESIGN



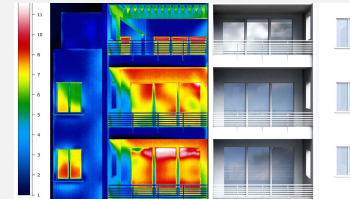
- Scope of options with ROI
- Full MEP design (concept, development, review detailed, shop drawings, site / authorship supervision, commissioning...)
- Modeling with Autocad, Revit & BIM Management

PROJECT MANAGEMENT



- From inception to completion (specification, design, BOQ, budget, site supervision, etc.)
- Value engineering
- Environmental Certifications (LEED, HQE, BREEAM, etc.)

ENERGY EFFICIENCY



- New, renovation & retrofit (Environmental design)
- Thermal & fluids studies, Energy audits
- Day lightning, natural ventilation, optimized envelope

ENERGY SOLUTIONS

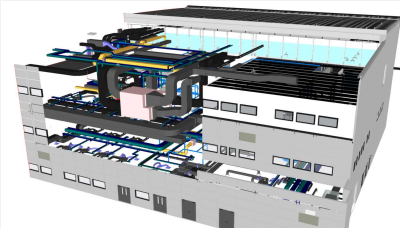


- District energy distribution (Cooling, heating, hydrocarbones)
- Solar power generation
- Biomass and biogas energy

OUR STANDARDS

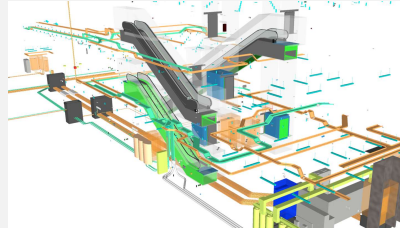
We can design according to multiple standards

HVAC



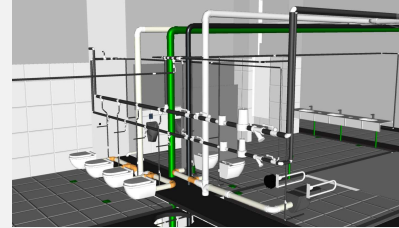
- chilled water, energy efficient system according to ASHRAE, EN, BS, NF

ELECTRICAL



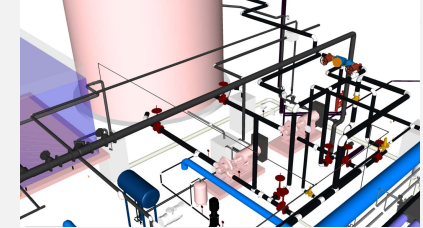
- energy distribution sizing according to ISO, IEC, IEEE, BS, NF or EN

PLUMBING



- design according to BS, NF, EN

FIRE FIGHTING



- design according to NFPA, APSAD, BS EN standards



OUR ADDED VALUE

- 1 More benefits for the client & the planet: **value Engineering and environmental design are part of any of our design**
- 2 Who can do the most can do the best: **french standards are certainly the most demanding in the world**
- 3 Your project will be our team's obsession: **we provide a high level of professionalism**

Owners of green building projects in ASEAN estimate **9% to 22% of operating cost savings**, and about **7% of increased asset value**

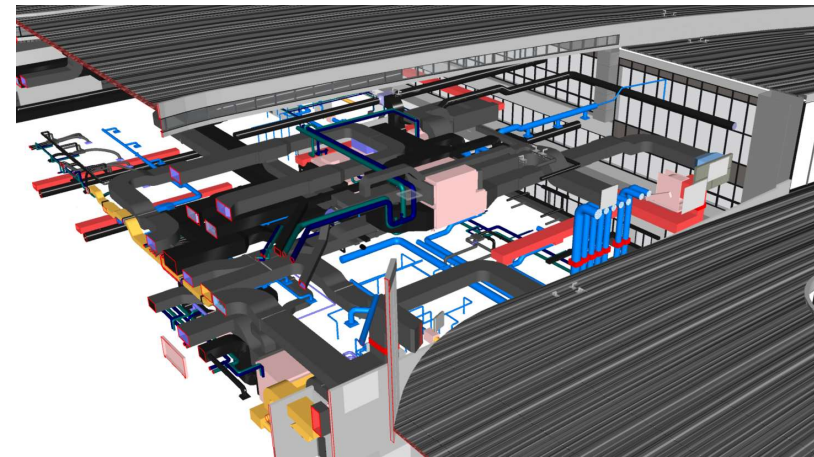
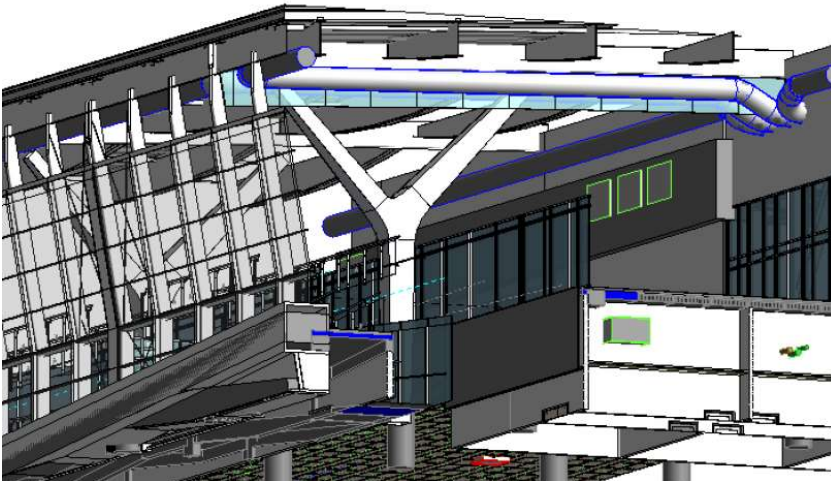
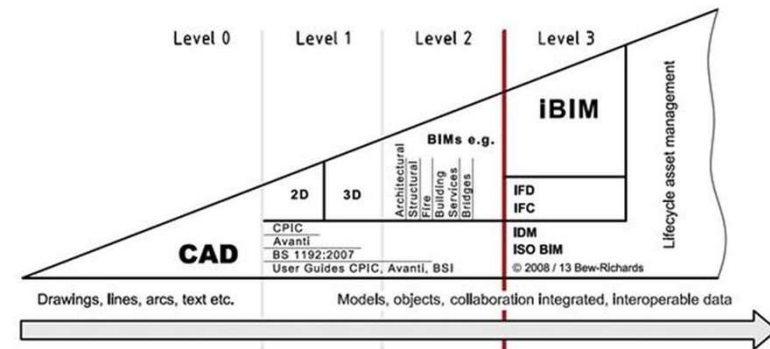
Payback time for Green Investments is **7 years**

Source: [The Blue Book Network](#)

OUR BIM EXPERTISE

We use AutoCad & Revit for a 3D design

- Better representation of the project
- Easy clash and opening management
- Automatic and reliable BOQ and others tender documents



KEY PROJECTS — WORLD MAP



- Airport
- Stadium
- Data Center
- Transport
- Residential
- Tertiary
- Mixed-use
- Education
- Health
- Hospitality
- Public
- Factory
- Plant
- Energy network
- District cooling

KEY PROJECTS — AIRPORTS



SIHANOUKVILLE INTERNATIONAL AIRPORT
CAMBODIA — 2020

- Detailed design in BIM 360 for HVAC / plumbing / electrical / Fire Protection for the construction of a 40 000 m2 new terminal building
- General Contractor: VCGP

[Read more](#)



KATMANDU INTERNATIONAL AIRPORT
NEPAL — 2017

- Detailed design for HVAC / plumbing / Fire Protection for a 90 000 m2 new terminal building, a VIP terminal building, and two aircraft maintenance hangars
- Architect / Engineers: ADP Ingénierie

[Read more](#)

KEY PROJECTS — PUBLIC INFRASTRUCTURES



KORHOGO STADIUM
IVORY COAST – 2021

- MEP Consultancy of a 20,000 seats stadium hosting matches of the 2023 Africa Cup Of Nations®
- General Contractor: CNBM – MCC

[Read more](#)



METRO LINE 15 STATIONS OF THE GRAND PARIS EXPRESS
FRANCE – 2021

- Detailed design of related projects associated with metro stations
- General Contractor : Eiffage

[Read more](#)



RATP OFFICE, DATA CENTER & ELECTRIC BUS WAREHOUSE
FRANCE – 2018

- Detailed design of the envelope and energy systems – 60 000 m²
- Architect – Silvio d'Ascia

[Read more](#)



INTERNATIONAL CITY OF GASTRONOMY & WINE
FRANCE – 2018

- Detailed design of the electrical packages
- Budget: 30,000,000€
- General Contractor : Eiffage

[Read more](#)

KEY PROJECTS — NEW RESIDENTIAL BUILDINGS



PALARIC SENIOR APARTMENTS
FRANCE — 2020

- Detailed design for HVAC / plumbing / electrical / FP of a 10,884 m² & 78 units building in Saint-Ouen
- Budget: 18,595,000€
- Architect: DGM & Associés



VILOGIA PROPERTY
FRANCE — 2019

- Detailed design in BIM 360 for HVAC / plumbing / electrical / FP for a 150 units condominium in Nantes
- Budget: 14,550,000€
- General Contractor: Bouygues

[Read more](#)



RIVE GAUCHE
FRANCE — 2016

- Detailed design for HVAC / plumbing / electrical / FP of a 15,700 m² & 124 units condominium in Paris
- General Contractor: Bouygues



VERTAO
FRANCE — 2014

- Detailed design for HVAC / plumbing / electrical / FP of a 2,500 m² & 43 units building in Vertou
- Budget: 2,69,000€
- Architect: FORMA6

KEY PROJECTS — NEW TERTIARY BUILDINGS



KANOA PROPERTY
FRANCE – 2019

- Commissioning of a 3,600 m² office building in Nantes
- *General Contractor: Eiffage Construction Atlantique*



URBAN QUARTZ
FRANCE – 2018

- Commissioning of a 14,000 m² office & retail building in Rennes
- Budget: 19,180,000€
- *Architect: Hamonic + Masson*

[*Read more*](#)



LAÂYOUNE HIGHSCHOOL
MOROCCO – 2018

- MEP Consultancy of a 28,000 m² highschool in Fom El Oued
- Budget: 16,300,000€
- *Architect: Oualalou + CHOI*

[*Read more*](#)



SAINT HERBLAIN SCHOOL
FRANCE – 2014

- MEP Consultancy of a 30,000 m² highschool
- Budget: 6,005,000€
- *Architect: Linea Architecte*

KEY PROJECTS — HEALTH BUILDINGS



LABORIZON LAB
FRANCE – 2019

- Detailed MEP design including white rooms, depressurised spaces design, filtration etc. of a 1,750 m2 lab in Noyal.
- Budget: 3,500,000€
- General Contractor : CIS

[Read more](#)



RENOVATION OF A NURSERY
FRANCE – 2019

- MEP Consultancy of a 6,300 m2 project in Paris
- Budget: 11,360,000€
- General Contractor : Eiffage Construction

[Read more](#)



MEDICAL HOUSE
FRANCE – 2017

- Detailed MEP design for HVAC / plumbing / FP and opex optimization for a 525 m2 medical house in Josselin
- Budget: 1,000,000€



MEDICAL HOUSE
FRANCE – 2015

- MEP Consultancy for the thermal, energy, HVAC & FP for a 1,000 m2 medical house in Villaines La Juhel
- Budget: 2,200,000€
- Architect: Gautier / Guilloux Architecte

KEY PROJECTS — ENERGY SOLUTIONS



DISTRICT HEATING FRANCE – 2020

- Project Management for a 36km heating network in Rennes
- *General Contractor: Engie Solutions*

[Read more](#)



HYDROCARBONS NETWORK FRANCE – 2020

- Project Management for the reception, storage and distribution hydrocarbons system of Ile d'Yeu
- *Client: Ile d'Yeu*

[Read more](#)



HEATING PLANT FRANCE – 2019

- Project Management for the revamping of a facility including biomass, fuel storage & LP / HP pumping system
- *General Contractor: Engie Solutions*

[Read more](#)



LED FACTORY FRANCE – 2020

- Project Management for the building of a manufacturing LED lighting plant
- *Client: TPL Vision*

KEY PROJECTS — RENOVATION & RETROFIT



2000 AFFORDABLE HOUSINGS FRANCE – 2021

- Project management for the Energiesprong renovation of 2,000 individual and collective affordable housing units in western France
- Budget: ≈200,000,000€
- Client : MASH - USH Pays de la Loire

[Read more](#)



8 RESIDENTIAL BUILDINGS FRANCE – 2020

- MEP Consultancy for the thermal and energy renovation of a 23,436 m² 220 units / 8 buildings in Chilly-Mazarin
- Budget: 2,420,000€
- Architect: Cabinet Loiselet & Daigremont



ALBERT 1^{er} TOWER FRANCE – 2019

- MEP Consultancy of a 17,000 m² f mix used building renovation in Rueil-Malmaison
- Budget: 28,000,000 €



E CASELE HOTEL FRANCE – 2018

- MEP Consultancy for the thermal and energy renovation of a 1,260 m² four stars hotel in Corsica
- Budget: 4,000,000€
- Architect: Atelier Arcau

[Read more](#)

KEY PROJECTS — CERTIFICATIONS & LABELS



**SIHANOUKVILLE
INTERNATIONAL AIRPORT**
CAMBODIA – 2020

Project MEP Designer for a
LEED® Silver certification



**KATMANDU INTERNATIONAL
AIRPORT**
NEPAL – 2017

Project MEP Designer for a
LEED® certification



**METRO LINE 15 STATIONS OF
THE GRAND PARIS EXPRESS**
FRANCE – 2021

Project MEP Designer for
certifications (Residential :
BREEAM, NF Habitat HQE,
Effinature & for tertiary
projects : HQE Sustainable
building 2016® & BREAA
NC 2016®



FOUR SEASON HOTEL
FRANCE – 2019

Project MEP Designer for a
hospitality building
certifications (HQE®)





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