




Gianluca Serale

Energy engineer
Innovation Consultant


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 30/07/1988


Languages


 Italian: native

 English: proficient (IELTS 8)


Hard skills


 Coding (Matlab, Python, JavaScript, PostgreSQL, Excel, Wordpress, Arduino)

 Business & Financial modelling

 Energy system engineering and management

Soft skills

 Lean and agile project management

 Presentation & reporting (ppt, Power BI, LaTeX)

 Teamwork

Working experience

2021-today **Iren s.p.a.** **Head of Open Innovation**
From nov22 I manage a 6-headcount unit in charge of the open innovation processes of the multi-utility Iren Group (top25 industries in Italy for turnaround). Main topics:

- Open innovation programs (internal/external)
- Funded innovation project with research centres
- Proof of Concepts and industrialization pathways
- Relationship with startups as Venture Client
- Open Innovation and innovation culture

2019-2020 **Boston Consulting Group** **Senior Associate Consultant**
Strategy consultant in 'Energy & Power utility'. Involved in the following projects (cumulative CapEx > 1.5 B€):

- M&A between two Italian energy utilities
- Internal re-organization of a gas Transmission System Operator - TSO
- Industrial plan for a large power plant producer
- Overseas expansion of an electricity TSO

2017-2019 **Eresys** **Founder - Chief Technological Officer**
Coordination of 4 people for software development. Start-up closed for the low scalability of the business model:

- Advanced energy management for commercial cultivation systems (CPH, batteries, storage units)
- Optimization of bidding on energy markets

2013-2017 **Freelance engineer**
HVAC system designer, energy auditing, public lighting plants, small Renewable Energy System

Education

2019-2020 **Collège Des Ingénieurs** **MBA**
MBA supported by Boston Consulting Group

2018-2019 **Princeton University** **Academic Professional**
R&D about exploiting data for improving energy systems

2015-2018 **Politecnico di Torino** **PhD in Energetics**
Cohort best student. 4 months at University of Wollongong (AU), 3 months at Princeton University (US)

2010-2012 **Politecnico di Torino** **MSc in Building System Engineering**
110/100L. Optime award - Unione industriale di Torino 2013

Academic experience

250+ **Hours of lecturing and seminars** mostly at Politecnico di Torino (Energy and Civil Engineering)

25 **Papers on international journals.** G-Scholar: 960 citations, 16 H-Index

Major awards

2018 **Foundation Ermenegildo Zegna, Founder's Scholarship - 35k\$**

2018 **Thomas Siebel (CEO @ HP, CEO & owner C3.ai) - best under 30 in data for Energy Management - 35 k\$**

2014 **Leonardo Prize - GSE Gestore Servizi Energetici, held by Italian President Giorgio Napolitano - 5 k€**