

22 Place de la Madeleine
4th floor
75008 Paris

T: +33 (0)1 53 05 36 26
ylethieis@compasslexecon.com

EDUCATION

2012, *M.Sc. in Engineering, Ecole Polytechnique, Paris, France*
2011, *M.Sc. in Management, LSE, London, UK*

PROFESSIONAL EXPERIENCE

2021 – Present, *Vice President, Compass Lexecon, Paris, France*
2018 – 2021, *Senior Economist, Compass Lexecon, Paris, France*
2015 – 2018, *Economist, Compass Lexecon, Paris, France*
2013 – 2015, *Power Modelling Consultant, Energy Advisory Practice, Baringa Partners, London, UK*
2011 – 2013, *Analyst, Corporate Strategy, EDF Energy, London, UK*

ENERGY-RELATED EXPERIENCE

Economist Specialised in Energy, Compass Lexecon, Paris, France

Developed FTI-CL Energy in-house power modelling tools, including:

- Thermal plants technical parameters modelling;
- Renewable variable generation modelling based on corrected wind speed time series and solar radiation;
- Hydro power modelling based on hydro and power co-optimization algorithm;
- Power demand modelling based on weather sensitivity analysis;
- Commodity modelling based on weather sensitivity analysis and long term global market balance;
- Cross-border flow modelling.

SELECTED PROFESSIONAL ENGAGEMENTS

- Conduct detailed research and economic analyses on European power market policies and regulations such as:
 - Capacity market implementation in different European countries including the UK, France, Poland, Republic of Ireland, Greece, Belgium, Italy, Bulgaria;
 - 550 Emission Performance Standard impact on European power markets;
 - EU ETS reform impact on CO2 ETS price and power market;
 - Regional or National Carbon tax implementation impact assessment;
 - Renewable development impact on wholesale, intraday and real-time power market;
 - New end-usages impact on power demand curve and power market;
 - European 2050 decarbonisation pathways and impact on European power mix evolution;
 - Interconnection capacity assessment between European power markets
- Conference speaker on power market related subjects:
 - Foratom vision to 2050 – December 2018
 - AEE-SFEN workshop June 2018
 - Montel French energy days – April 2018
 - Chaire European Electricity Markets – National CPF implementation - 2017
- In charge of FTI-CL Energy in-house power modelling tools, including:
 - Thermal plants technical parameters modelling;
 - Renewable variable generation modelling based on corrected wind speed time series and solar radiation;
 - Hydro power modelling based on hydro and power co-optimization algorithm;
 - Power demand modelling based on weather sensitivity analysis;

- Commodity modelling based on weather sensitivity analysis and long term global market balance;
- Cross-border flow modelling.
- Commercial and regulatory due diligence of thermal and clean energy projects in different European countries. It combines the power market expertise from the power market modelling practise and the power market regulation practice.
 - Thermal energy projects: Due diligence of existing portfolio of large scale and distributed assets
 - Clean energy projects: Due diligence of existing and new onshore wind farms, offshore wind farms and solar PVs.
 - New technology: Due diligence of future hybrid or full storage assets under existing and future market structures.
- International power sourcing strategy for a new energy intensive industry, including the quantitative Value at Risk assessment framework
- Develop a dedicated European power dispatch model for a European TSO
- Detailed power market report of European countries
- Energy competition and state aid projects including, state aid assessment, stranded cost assessment and compensation assessment for a wide range of European market participants.
- International power market experience:
 - Australian detailed power market modelling,
 - US power markets benchmark,
 - Asian power markets benchmark

Power Modelling Consultant, Baringa Partners, London

- In charge of in-house power and gas modelling capabilities:
 - Improve and develop in-house European power model
 - Migrate from a deterministic model to a stochastic model
 - Implement multi-phase market modelling (DA and intra-day coupling)
 - Implement generators cost recovery behaviour under capacity market or energy only market
 - Consolidate European generator database
- Provide modelling support to various projects:
 - Consultation on German power market development
 - Thermal and CHP financial appraisal
 - Capacity mechanism clearing price forecast & analysis
 - European power and gas portfolio acquisition

Analyst, Corporate Strategy, EDF Energy, London

- Conduct detailed research and strategic analyses on the energy market:
 - Capacity mechanism analysis
 - In charge of short and long-term Demand forecast
 - Develop model of wind generation & commodities prices forecast
 - Demand Side valuation
 - Power & Gas market modelling

LANGUAGE SKILLS

- English (fluent)
- French (native)
- German (basic)

