

AYOUB ZOBIAN

Cambridge Energy Solutions
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SUMMARY

Ayoub Zobian is an Electrical Engineer working as a research analyst, responsible for Power systems model update and testing. Prior to his position at **Cambridge Energy Solutions**, Ayoub held the position of Business Development Manager at **Security Engineering SAL** a specialized company in the design, installation, project management and maintenance of communication, security, fire detection and suppression systems for healthcare establishment, commercial and public buildings in Beirut, Lebanon. Ayoub graduated with a bachelor's degree in power engineering from the Lebanese American University (LAU) in February 2003.

Through his work at **Cambridge Energy Solutions**, Ayoub gained an appreciable amount of experience in Power Flow Systems. He uses the model to come up with different scenarios to analyze the power flow updates and to quantify the impact of major variables to calibrate the Model under different market conditions. He researches the development of the software, also work on designing regional electric power systems and markets where market participants can utilize, share, and pool resources in an economically efficient and environmentally sound manner.

EDUCATION

BE., Electrical Engineering, Lebanese American University, 2003.

EXPERIENCE HIGHLIGHTS

Cambridge Energy Solutions, Cambridge, MA, 2008 - current,

Position: Research Analyst.

Responsibilities: Updating and testing Electric Power Pools database models.

Security Engineering SAL, Beirut, Lebanon, 2006 – 2008,

Position: Business Development Manager.

Responsibilities: Seeking potential clients, Solution Offering, Client Follow-up

UNIMEC INTERNATIONAL, Beirut, Lebanon, 2004 – 2006,

Position: Business Solutions Engineer.

Responsibilities: Solutions Offering, Submittal preparation, testing, Commissioning and system handover.

FIELDS OF EXPERTISE

- ***Power Market Modeling:*** Data interpretation, Model Calibration and updates, follow- up and Model Testing.
- ***Fire Alarm Systems:*** Design, Solutions Offering, Installation, Commissioning and handover.
- ***Fire Suppression System:*** Design of CO2, FM200 and Water mist systems, Installation, commissioning and handover.
- ***Fire Fighting Systems:*** Solution offering for wet riser and dry riser systems. Sprinkler systems and pre-action sprinkler systems design and solution offering.
- ***CCTV systems:*** Design, meeting customer requirements, solution offerings

REPORTS

2000

Magnetic Levitation Train: Concept and Applications.

2003

Unit Commitment: Optimization and Power economy study (Graduation Project)