

Luka Lugaric

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PROFILE

- Data driven decision maker with expertise in energy, decarbonization, manufacturing and IT / tech industries
- Led teams of 3 to 40 to deliver results through collaboration, mentoring, delegation and risk management
- Worked with diverse stakeholders and management cultures in Europe, Middle East and Southeast Asia
- Certified PMP with 17+ years of international experience in project management and team leadership
- Based in Croatia, EU – open to globally lead projects with strong elements of decarbonization, data and tech

EXPERIENCE

Founder, International Consultant // Lumaras // Zagreb, Croatia **Jul 2023 – present**

- Raised pre-seed funds to start own enterprise developing a total solution for data driven decarbonization in industry
- Joined a partnership offering corporate services including carbon emissions accounting, decarbonization road-mapping, sustainable finance advisory and ESG strategy aligned with CSRD, CSDDD, CBAM and other EU regulations
- Ideated a technical partnership between 3 companies for delivery of IoT-based decarbonization M&V system
- Setup a green transition readiness methodology for 4 EU EaP countries aligning with the European Green Deal

Senior Project Manager, Strategic Projects & Partnerships // Agoda // Bangkok, Thailand **Feb 2022 – Jul 2023**

- Mentored a 14-member team driving decisions based on data analysis, resulting in ~\$3M/y reduction
- Discovered and implemented a \$2.2M/y savings project on virtual credit cards for hotel payments in the US market
- Key contributor to an intercompany fintech project achieving a 60% reduction in financial reconciliation mismatches
- Managed discovery and implementation of improvements leading to a 40% cost reduction on intercompany segment
- Directed design of a machine learning-based process for proactive action to 10% decrease in product misallocations

Senior Manager // Supreme Council of Energy // Dubai, United Arab Emirates **Jan 2021 – Jan 2022**

- Directed policy planning for energy efficiency, energy storage, district cooling, water management, and digital tech use in infrastructure management, aligning stakeholders and roadmaps across multiple utilities in Dubai and UAE
- Planned roadmaps for infrastructure programs, allocating budgets of \$75B to projects over 5-, 10-, 20-year periods
- Launched a data-supported policy roadmap, creating a network of over 20 entities for circular economy in Dubai
- Reported into C-level members from 6 major government organizations on a regular basis

Project Manager // Supreme Council of Energy // Dubai, United Arab Emirates **Jan 2017 – Jan 2021**

- Steered a team of 8 experts in development & activation of the Demand Side Management Strategy 2030
- Structured a \$10B government investment portfolio, and integrated digital technologies into long-term plans
- Launched 11 public-private partnership (PPP) programs, aligning government roadmaps on ROI-driven savings

Senior Analyst // Supreme Council of Energy // Dubai, United Arab Emirates **Feb 2015 – Jan 2017**

- Produced policy briefings on AI, ML, IoT, and blockchain, and modelled the economic effects of proposed actions
- Analyzed data and aligned stakeholders on the M&V system for the Integrated Energy Strategy 2030 programs
- Developed RfPs, organized bid evaluation committees, supervision of contracting, and evaluated compliance

Project Manager // Dok-Ing Ltd. // Zagreb, Croatia **Aug 2013 – Feb 2015**

- Designed a portfolio of products and services for investment of \$5M of company resources in the clean energy sector
- Completed a business-critical project involving a \$10M+ technology transfer to a foreign client
- Led a team of technical experts in design, PoC testing and building of electronics testing platform development

- Contributed to achieving a 220% ROI in a deal with a foreign client through support to sales team

Project specialist // Center for Business Activities in the Energy Sector // Zagreb, Croatia Aug 2012 – Aug 2013

- Constructed a financial model to restructure national incentives for renewable energy, total lifecycle cost of €4.5B
- Delivered an action plan for the country's regulatory alignment with the EU's clean energy framework
- Initiated contacts and pitched to investors for the first LNG terminal project in Croatia

Program Manager // United Nations Development Programme-UNDP // South East Europe Jun 2009 – Jul 2012

- Led the 'Smart Energy City Sisak' project, guiding a team of 6 experts to develop a strategy for utilizing EU funds
- Facilitated stakeholder engagement for UNDP Project Development Fund (PDF) grant applications
- Organized 3 outreach workshops, and provided advisory support to applicants
- Reviewed 50+ grant applications, performed analysis of applications for higher management decision making

Technical Consultant // United Nations Development Programme - UNDP // Zagreb, Croatia Mar 2006 – Jun 2009

- Developed a functional specification for national energy performance management for 5000+ building stock
- Supported development of project plans and technical documentation for largest project in UNDP Croatia portfolio
- Reported directly to the Country Director

Energy Researcher, PhD candidate // University of Zagreb // Zagreb, Croatia Oct 2007 – Jul 2012

- Procured funding and co-directed a NATO Science for Peace project focused on IT security for energy systems
- Authored 4 feasibility studies and 10 research papers on renewable energy sources and energy planning
- Assisted in teaching classes of 100+ students on energy economics, electrical facilities, and electrical lighting
- Created project proposals for international research grants, including EU, UNDP, USAID, and others

EDUCATION

University of Cambridge (UK), Master's Degree in Sustainability Leadership	2020
University of Zagreb (Croatia), Diploma in Management	2008
University of Zagreb (Croatia), Master's Degree in Electrical Engineering - Energy Systems	2007

PROFESSIONAL DEVELOPMENT

Project Management Professional (PMP)	2014
Prince 2 Foundation	2009

IT SKILLS

Project Management: MS Project, JIRA, Confluence, ClickUp, Notion

Data analytics and visualizations: Tableau, Metabase, Superset, ThinkCell

Electrical Engineering: MATLAB, LabVIEW, RETScreen, DIALux, NEPLAN, PowerWorld

GenAI usage: ChatGPT, Bard, Claude, Sage, Llama

Coding: SQL queries, Python