



December 2021

Job Description

Quantitative Sustainability Analyst

PXP Sustainability is an international firm that provides consulting and advisory services in the areas of life cycle assessment (LCA), sustainability strategy, and circular economy activities. We assist businesses and development agencies achieve their sustainability goals in Asia. At PXP, we (a) Take an interdisciplinary approach to addressing sustainability challenges; (b) Are grounded in life cycle thinking - we holistically view the entire system of a sustainability challenge, target the root causes, and aim to avoid problem-shifting when developing solutions; (c) Apply transparent scientific methods and established standards to evaluate the true benefits of sustainability. PXP is currently seeking a Quantitative Sustainability Analyst to support delivery of projects in Southeast Asia.

Overview of the Position

The **Quantitative Sustainability Analyst** will support in research and analysis on client projects that includes LCA modeling and analysis, waste-to-resource modeling, financial analysis, and surveys of technologies, policies, regulations, and investments in the areas of sustainability science, circular economy, and clean energy. The **Quantitative Sustainability Analyst** will carry out research that contributes to new business development and communication materials for the company's website and social media.

Scope of Work and Detailed Tasks

The main tasks of the **Quantitative Sustainability Analyst** will include, but not be limited to:

Project Management and Strategy

- Contribute to development of proposals for new business opportunities
- Support in development of project timelines, work plans, and project monitoring to ensure successful delivery of projects

Research and Technical Analysis

- Conduct LCA and life cycle cost analysis (LCC) of products and services
- Collect and analyze life cycle inventory data from secondary sources (e.g. LCA databases, scientific papers, technical reports, etc.)
- Analyze production and consumption datasets covering energy, materials, waste, and environmental emissions
- Assist in market research covering policies, investments, business models, and stakeholders (e.g. governments, private sector, non-government organizations, etc.) related to circular economy activities (industrial symbiosis, product-as-a-service, recycling, upcycling, waste reduction)

Knowledge Products and Communications

- Draft technical reports
- Collect data to support company communications including company website and social media
- Provide English to Thai translations of technical information where deemed necessary

Measured. Managed. Maximized.



Minimum Qualification Requirements

The candidate for the position should have skills and/or experience in the following areas:

- Life cycle assessment
- Financial analysis (e.g. LCC, cost benefit analysis)
- Modeling and analysis in Microsoft Excel
- Energy system analysis
- Waste generation, characterization, and management analysis

Additional skills and/or experience in computer programming (e.g. VBA, Python, R) for data science and/or development of apps or modeling tools will help the candidate stand out.

In terms of academic studies, the candidate should have a university degree in environmental science, engineering, computer science, data science, or a related field.

Location: Applicant must be based in Thailand and have the right to live and work in Thailand.

Reporting

The Quantitative Sustainability Analyst will report directly to the Managing Director of PXP Sustainability.

Start Date

The Quantitative Sustainability Analyst is expected to start in the beginning of February 2022.

How to Apply

Please submit the following to sawasdee@pxp-sustainability.com

- Your resume (1 or 2 pages)
- 2-minute video that introduces yourself and explains why you are interested in the position and how you believe you can support PXP Sustainability's mission