

POSITION: Transportation Analyst
STATUS: Exempt
INITIATIVE: Energy Systems Network
REPORTS TO: Managing Director, Energy Systems Network

ESN OVERVIEW:

An initiative of the Central Indiana Corporate Partnership (CICP), Energy Systems Network (ESN) is an Indianapolis-based non-profit consortium that is Building an Energy Ecosystem® in which all aspects of the energy landscape are integrated – energy generation, transmission and storage, the built environment, multimodal sustainable transport, and the electrical grid. Our global network of companies and institutions allows us to develop groundbreaking pilot projects, commercialization opportunities, sustainable startups, and technological innovation in order to advance solutions to the energy and transportation challenges we face.

ESN has extensive experience leading breakthrough projects in mobility. ESN partnered with French multinational Bolloré Group to launch the largest electric vehicle car sharing system in North America, the City of Indianapolis to coordinate the largest deployment of plug-in vehicles (225) of any municipal fleet in the US using a first-of-its-kind mobility-as-a-service business model, and IndyGo to help plan the first all-electric bus rapid transit system in the US, which went into service in Indianapolis in 2019.

In 2012, ESN incubated and launched the Battery Innovation Center (BIC), a 40,000-square-foot facility that is focused on the rapid development, testing and commercialization of safe, reliable and lightweight energy storage systems for defense and commercial customers. To date, the BIC serves nearly 90 customers in commercial and defense sectors. The BIC is also home to Underwriters Laboratories (UL) BEST Test Center, its North American testing and validation center for UL standards.

Most recently, ESN developed and launched the Indy Autonomous Challenge, a two-year \$1 million prize competition among universities to create software that enables self-driving Indy Lights race cars to compete in a head-to-head, high-speed autonomous vehicle race at the Indianapolis Motor Speedway. Universities from around the world – including MIT, University of Michigan, University of Waterloo, and UCLA – are registering. ESN worked with its board members, Cummins and Purdue, to co-develop and deploy the “LeaperX” mobility-as-a-service (MaaS) microtransit system around the campus of Purdue University. ESN is also working with the Toyota Mobility Foundation to develop and deploy “Future Mobility Districts” (FMDs), with Indianapolis serving as a pilot FMD location to design and implement mobility technologies, approaches, strategies, and relationships to better facilitate the movement of people and goods.

JOB OVERVIEW:

The Transportation Analyst will be responsible for managing project research and execution – including researching and writing, reporting, planning, modeling, and implementation – of ESN’s portfolio of transportation-related projects and programs. The Indianapolis Future Mobility District effort will be a primary focal area for the Transportation Analyst, with support also afforded to the Indy Autonomous Challenge. Other activities will be responsive to external or new project developments and may include preparing research reports, researching transportation and mobility startup companies, drafting formal presentations, and preparing project collateral material.

This position requires a motivated self-starter, attentive listener, assertive actor, and quick learner who is highly analytical, intellectually curious, and attentive to detail. The successful candidate will be a resourceful researcher, skilled and proven writer, experienced with and retaining a deep familiarity of multimodal transportation (e.g.

micromobility, automated vehicles, microtransit, ridesharing, etc.) technologies, trends, people, and (startup and other) companies, and able to independently meet deadlines, often on multiple projects simultaneously.

JOB RESPONSIBILITIES:

- Plan, organize, and coordinate research, synthesis, and analysis for ESN transportation and advanced mobility projects, most notably the Indianapolis Future Mobility District (FMD), but also for the Indy Autonomous Challenge.
- Preparation of grant reports to ESN funders per contractual obligations, production of FMD project reports, and new grant lead identification and writing of proposals, as needed.
- Engage and manage transportation project stakeholders; organize regular meetings and communications among project partners; assist with the development and execution of FMD visioning, strategy, and planning sessions.
- Plan, schedule, and track project timelines, milestones and deliverables using appropriate tools.
- Create and maintain comprehensive project documentation.
- Organize, prioritize, and carry out multiple projects simultaneously.
- Perform other duties as requested by the Managing Director.

QUALIFICATIONS:

- Preferred masters degree in transportation planning, urban planning, public policy, or other relevant field, and/or 3 or more years of relevant job experience
- Exceptional project and time management, organizational, research and consultative skills
- Interpersonal skills with a demonstrated track-record of engagement with diverse (e.g. qualitative and quantitative) parties and stakeholders
- Understanding of, and aptitude for, advanced transportation technology and market trends
- Excellent communication skills, both written and verbal, with available writing samples on transportation/mobility topics
- Ability to engage, work with, and elicit cooperation from a wide variety of stakeholders
- Experience working independently and in a team-oriented, collaborative environment
- Inquisitive and intellectually curious
- Proficient with Microsoft Office programs

DETAILS:

Manager: Managing Director, Energy Systems Network

Office Location: Energy Systems Network, downtown Indianapolis

Travel: Statewide

For more information or to apply, please contact info@energysystemsnetwork.com.

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