

ELECTRI **INTERNATIONAL**

Research and Education for the Electrical Construction Industry

ELECTRI is excited to invite you to join a new Virtual Design and Construction (VDC) Time Study aimed at benchmarking VDC modeling and management in HVAC/Sheet Metal and MEP construction. This research is pivotal in paving the way for more accurate and comprehensive estimating and management of VDC services.

This project, awarded to the University of Washington, is supported by ELECTRI International as well as the New Horizons Foundation and the MCAA (JRGF).

The objectives of this project are threefold:

1. Develop metrics to support the estimation of VDC engineering.
2. Benchmark current VDC engineering practices and performance.
3. Develop metrics to evaluate efficiency and effectiveness.

We have received positive responses from the companies who participated in the pilot phase. One VDC manager commented, “I value the method of monitoring work tasks and the clarity it offers. It helps me see how I allocate my time, such as in creating shop drawings or attending meetings, and I am eager to implement this approach with my engineering team.”

Why Is Your Participation Valuable?

1. Your involvement is essential to the advancement of VDC practices across the industry.
2. You and your company will have early exposure to the latest findings and methodologies in VDC.

What Does Participation Involve?

Participation involves providing data on how your employees allocate their time among VDC activities, categorized into four types: modeling, management & coordination (both internal and external), and fabrication support. This will be based on a schema developed by our research team, encompassing over twenty distinct activities, each defined to avoid overlap and ensure accurate time tracking. The data collection process is expected to last for a year, starting in February 2024. During the pilot study, participants stated that it took less than 15 minutes per day to participate in the time-tracking tasks.

How To Participate?

Fill out the consent form by clicking [HERE](#). The University of Washington research team will then send information about how to create accounts and participate in the data collection. The time study utilizes the Clockify platform and Microsoft Forms, thus requiring you to set up an account

and submit the necessary forms. The research team at the University of Washington is available to assist in guiding you through this process.

We truly believe that your participation will be instrumental in shaping the future of VDC practices and research. We look forward to the possibility of collaborating with your esteemed company on this exciting project.

Thank you for considering this invitation!

Sincerely,

A handwritten signature in black ink, appearing to read "Josh Bone". The signature is fluid and cursive, with the first name "Josh" written in a larger, more prominent script than the last name "Bone".

Josh Bone
Executive Director | ELECTRI International