INDEPENDENT INSULATION GROUP

CURRICULUM VITAE

TOMAS HAMMARLUND

Tomas received his M.Sc. in Renewable Electricity Production, Uppsala University, in 2019. His master's thesis was conducted at Falu Energi & Vatten and focused on the impact of home charging of electric vehicles on Falun's low-voltage distribution grid. He used scripts and charging profiles in Matlab for his research. After graduating, Tomas began his career at AFRY in the Advanced Automation segment as an automation engineer, serving clients in the steel and paper industries, including companies like SSAB, Outokumpu, and Arctic Paper. In 2023, Tomas transitioned to working for I2G in the field of power system analysis.

MAIN FIELDS OF COMPETENCE

- Analysis of Power Distribution Grids
- Electrical Power Transmission Systems

WORK EXPERIENCE

2023-	**Independent Insulation Group Sweden AB**, Ludvika, Sweden *Engineer*
2019-2023	**AFRY AB,** Borlänge, Sweden *Automation engineer.*

EDUCATIONAL DEGREES

2019	**Master's Programme in Renewable Electricity Production** Uppsala University, Uppsala, Sweden Thesis: The impact of home charging of electrical vehicles at Falun's low-voltage distribution grid August 2014 – June 2019

LANGUAGES

Swedish (native), English (professional level)

LIST OF PROJECTS

2023-	
2019-2023	***Various assignments within the steel and paper industries as an electrical designer/engineer***
2019	***Master Thesis*** Thesis title: "The impact of home charging of electrical vehicles at Falun's low-voltage distribution grid" The thesis focused on the impact of electric vehicle charging at various penetration levels on the low-voltage grid in Falun. Simulation scripts for the power grid, along with a model for charging profiles, were utilized in Matlab for the study.

List of publications

T. Hammarlund
The impact of home charging of electrical vehicles at Falun's low-voltage distribution grid
Master's Thesis, Uppsala University, Uppsala, Sweden, 2019