

## *Helen Kalm*

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### **Technical Marketing Engineer**

***Expertise*** Civil, Geotechnical Engineering, Soil and Rock Mechanics

***Registration*** Engineer in Training (EIT), Minnesota

***Education*** MS (Civil Engineering, Geotechnical Engineering focus), 2019  
Royal Institute of Technology, Stockholm, Sweden  
BS (Civil Engineering), 2016  
Royal Institute of Technology, Stockholm, Sweden

#### ***Professional Experience***

*2021 – Present* *Itasca Consulting Group, Inc., Minneapolis, Minnesota*  
*Technical Marketing Engineer*

*May 2016 – Aug 2016* *Peab, Stockholm, Sweden*  
*Intern*

#### ***Project Experience***

*Acoustic Soil-Rock Probing:* Performed a case study investigating a new method of measuring seismic vibrations during soil-rock probing. Conducted frequency analysis in MATLAB.

*Field:* Core logging (for classification according to the RMR- and Q-system), tunnel mapping, geological mapping (main landslide at the Vaiont Dam, Italy), and measuring seismic parameters using a triaxial geophone during soil-rock probing.