

Civil 7 is a young and growing engineering consultancy with an international focus in underground construction. We are offering a Masters thesis for a structural, geotechnical or materials science engineer to work in our office in Amersfoort and at our ProRail test site.

### Civil 7 offers students...

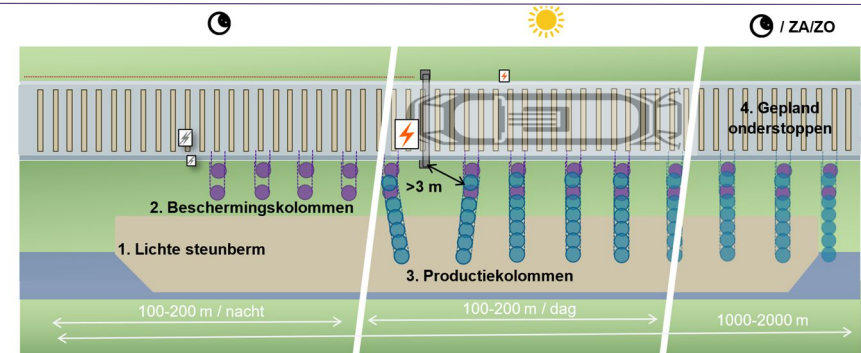
- **intensive daily guidance** by dedicated experienced seniors;
- **responsibility and ownership** of your project;
- **empowerment** within a **young engineering start-up**;
- focus on **international** construction projects;

For a live (trains running!) test site Civil Seven and ProRail will investigate the possibility of using advanced Deep Soil Mixing technology to improve the track for faster and more trains. Together with Swedish contractor DMix we will develop a test site that should answer three questions: how can deep soil mixing be safely executed in a live environment? Can the mix be adjusted to cope with Dutch peat? Can cement replacers further reduce the CO2 impact of deep soil mixing?

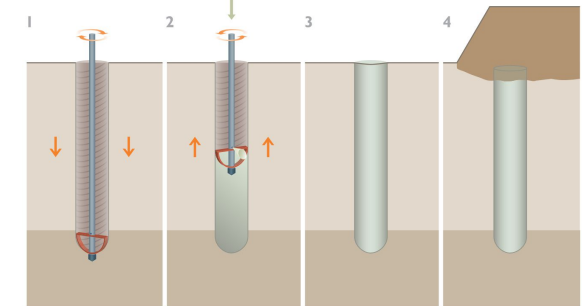
The work consists of 30% lab guidance (tests are done for you), 40% test site development and 30% analysis.

### Skills candidates must possess:

- great at planning and implementation
- friendly, open and precise in communication
- work approach in balance: both in-depth problem-solving and practical 'getting-it-done'
- profile: MSc. Degree in structural engineering, materials engineering or geotechnics. Knowledge of chemical processes in soil and cement is an advantage. Questions on the vacancy and/or a job application may be sent with your c.v. and grade list to: [vacancies@civil7.nl](mailto:vacancies@civil7.nl)



### Live Test Site



### DSM method

