Multi-Core Automation Software by CEMS

Dear future graduates,

As you approach the pinnacle of your academic journey, there is no better time to equip yourself with cutting-edge tools that will set you apart in the world of geotechnical engineering. That is why CEMS proudly introduces new multi-core automation Software – geotechnical software designed to enhance your graduation thesis or future research projects.

This software is now available to you absolutely free of charge!

The most relevant Cores we currently offer are:

- **CPT Core**
  Allows you to automatically interpret CPT's (single or multiple) according to several classification standards or our machine-learning model.
  https://cemsbv.nl/products/cptcore
- **PileCore**
  Automated tool for calculating bearing capacity for compression, tension and anchor piles, including an unique grouper module.
  https://cemsbv.nl/products/pilecore
- **ShallowCore**
  Automated tool for designing Shallow foundations
  https://cemsbv.nl/products/shallowcore
- **Vibracore**
  Offers automated risk management of damage to buildings during vibration work, such as installing sheet piles or driven piles.
  https://cemsbv.nl/products/vibracore

Find out here why the software is a valuable addition to your toolbox:

Maximize Efficiency

Streamline your geotechnical analyses with our automated cores. Say goodbye to tedious manual work and hello to efficiency that would propel your graduation thesis/research forward.

Unique Features Tailored for Excellence

Dive into unique features crafted for geotechnical enthusiasts like you. From advanced soil classification assessments to optimisation of foundation designs, each core has its own specific capabilities so you can create an outstanding thesis or research.

Cloud-Based Collaboration for Flexibility

The software is in the cloud – accessible from anywhere, collaborative with peers, and scalable to fit your growing ambitions. Embrace the convenience of cloud-based computing as you work on your thesis, ensuring a seamless and efficient geotechnical workflow.

Scale Your Research

Whether your thesis or research tackles small-scale projects or explores grand-scale challenges, our software adapts to meet your evolving needs, providing you with the tools to excel in your academic endeavors.

Flexible integration with Jupyter Notebooks and API Calls

Our software empowers you with the flexibility of Jupyter Notebooks and API calls, allowing you to integrate the software seamlessly into your workflow. We have **free Jupyter Notebooks** available for all our Cores that you can customise, tailoring the software to fit your unique approach and ensuring your thesis/research remains at the forefront of geotechnical innovation.

Unleash the Power of Big Data Analysis

Dive into extensive datasets effortlessly, gaining deeper insights into your geotechnical research – an invaluable skill set that will undoubtedly elevate the impact of your research / graduation thesis.

Verified by Prevailing Standards of the Netherlands

Trust in the reliability and security of our software as you embark on your thesis journey, knowing that your data and analyses meet the highest criteria set by the geotechnical community.

Ready to make your research or thesis exceptional? Dive into our software and lead the way in geotechnical innovation. Create a free account at https://nuclei.cemsbv.io/ and send an e-mail towards info@cemsbv.nl to receive an user token with unlimited rights.

At CEMS, we are dedicated to innovation. Our team is constantly developing new cores to enhance your geotechnical exploration. Stay updated by visiting our website https://cemsbv.nl/ for the latest news and product releases.

CEMS Cores of Expertise – Fueling Your Geotechnical Exploration!

Calculation kernel | validated | cloud-based | scalable | flexible