

## COURSE

### Femap API Programming

<b>Level</b>	Advanced
<b>Duration</b>	2 or 3 days
<b>Language</b>	English or Dutch
<b>Location</b>	Delft, or on-site

#### Description

API stands for Application Program Interface. The API allows the user to customize Femap to extend the functionality to suit specific needs. Femap includes built-in Visual Basic Integrated Development Environment (IDE) functionality, so you can start programming with the Femap API without any extra programs or optional modules. What can you accomplish with the API?

- Create programs that automate repetitive tasks.
- Enhance the functionality of Femap by creating add-in applications.
- Create programs that provide “canned” analysis routines, which ensure consistency in analysis methods between engineers.
- Use Femap functionality to develop your own programs.
- Automate generation of analysis reports.
- Move data generated in other programs like Excel or Matlab into Femap or vice versa.

#### Aim of training

In this course the API possibilities of Femap are explained. After the training, the trainee is able to automate tasks through API programming in Femap.

#### Topics

- Automation of results processing via Excel
- Introduction to Femap’s macro capability
- Introduction to Femap’s API via Custom Tools
- Programming Femap’s API

#### Who should attend?

This course is intended for Femap users who want to customize Femap to extend its functionalities. Basic experience in programming is recommended for this course.

**Interested? Sign up on [www.femto.eu](http://www.femto.eu) or send your training request to [info@femto.nl](mailto:info@femto.nl).**

#### About us

At Femto Engineering we help companies achieve their product innovation goals with FEA & CFD consulting, software, training, support, deployment and R&D. We are the CAE partner of Siemens PLM Software in the Benelux and an authorized distributor for Femap, NX Nastran, Simcenter 3D and SDC verifier.

#### Directions

Our address is: Oude Delft 137, Delft. By car: follow the parking signs to the Phoenixgarage (Phoenixstraat 29). Leave the “centrum” exit from the parking and turn left. Directly after the gate, we’re in the first building on your right. When you arrive by train, it’s a 5 minute walk via the Westvest and the Binnenwatersloot to the Oude Delft.

