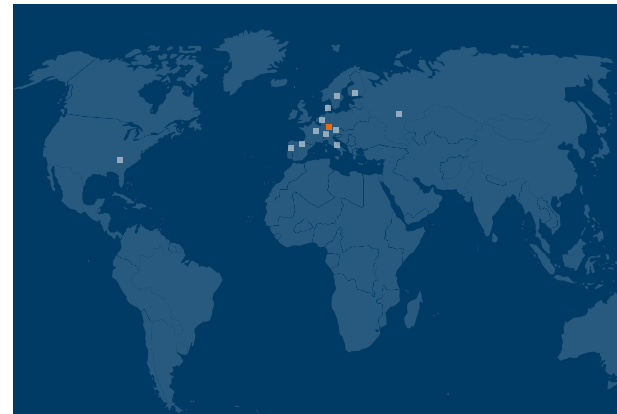
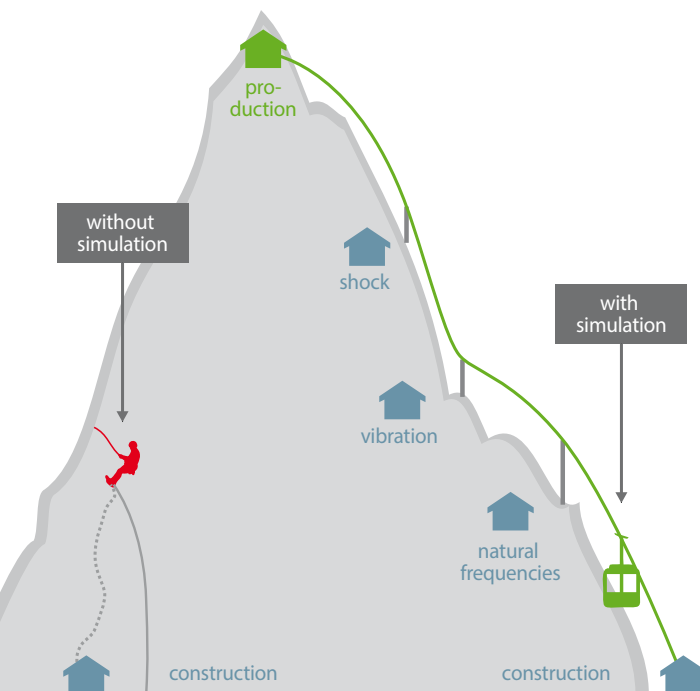


When making important developments, go for the safe way!

Simulation-based cabinet development with häwa



häwa GmbH

Industriestraße 12
88489 Wain
Tel. +49 7353 9846-0
Fax +49 7353 1050
info@haewa.de
www.haewa.de

USA Duluth, GA 30097

HAEWA CORPORATION
3764 Peachtree Crest Drive
Tel. +1 770 9213272
Fax +1 770 9212896
haewa@haewacorp.com

D 08451 Crimmitschau

Sachsenweg 3
Tel. +49 3762 95271/2
Fax +49 3762 95278
vertrieb.c@haewa.de

D 47167 Duisburg

Gewerbegebiet Neumühl
Theodor-Heuss-Str. 128
Tel. +49 203 346530
Fax +49 203 589785
vertrieb.d@haewa.de

D 63477 Maintal

Dörnigheim
Carl-Zeiss-Straße 7
Tel. +49 6181 493031
Fax +49 6181 494003
vertrieb.rm@haewa.de

CH 8105 Regensdorf

häwa (Schweiz) ag
Bahnstraße 102
Tel. +41 43 3662222
Fax +41 43 3662233
info@haewa.ch

F 67140 Eichhoffen

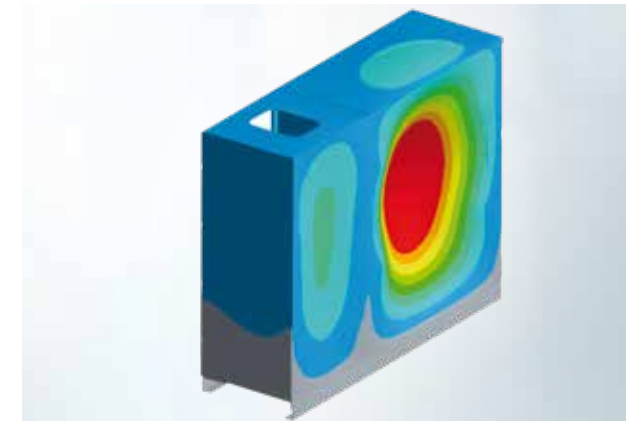
häwa-France
Siège Social
8 B Rue des Industries
Tel. +33 3 88088880
Fax: +33 3 88088859
info@haewa.fr

NL 7500 AC Enschede

häwa Nederland B.V.
Postbus 136
Tel. +31 53 4321835
Fax +31 53 4303414
info@haewa.nl

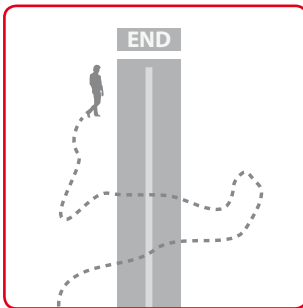
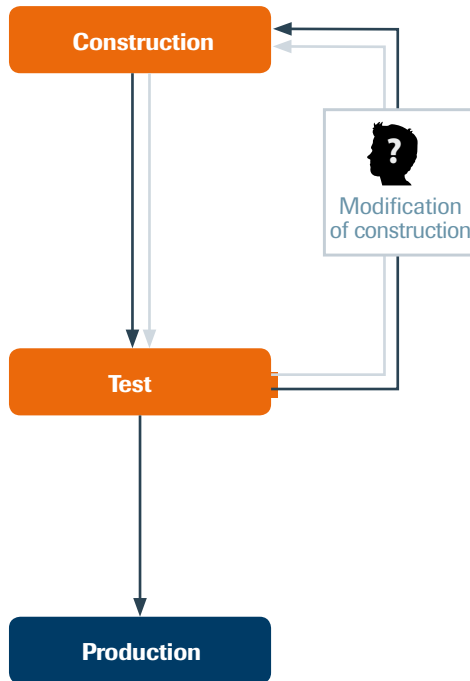
At a glance:

Simulation in cabinet construction

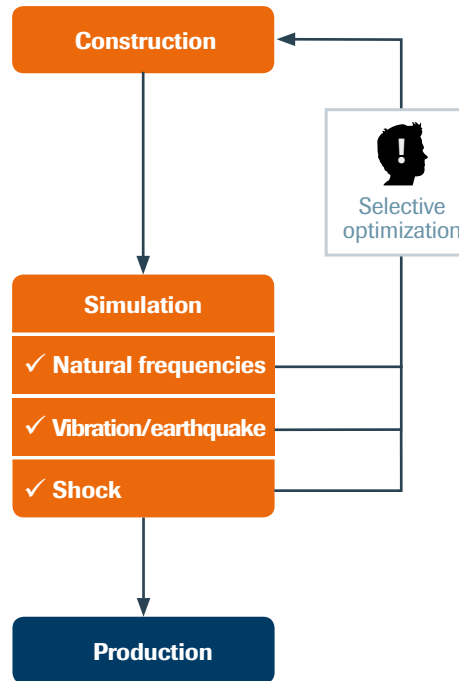


- CABINET SYSTEMS 
- X-FRAME 
- ENCLOSURES 
- FIRE PROTECTION 
- THERMAL COMPONENTS 
- DUCTS, ACCESSORIES 
- CUSTOM BUILD 
- TOOLS 

Typical development process



Simulation-based development process



- ✓ Efficient detection of errors
- ✓ Selective optimization means
- ✓ Shorter development time, lower costs
- ✓ Visualization of physical characteristics

Simulation in cabinet construction

Natural frequency determination

Frequency, with which the system (cabinet) can vibrate once set in motion. If a from the outside imposed vibration corresponds to the natural frequency of a cabinet, it reacts with particularly large amplitudes which is called resonance

Vibration / earthquake

Examination of the behavior of the system while vibrations, whose chronological sequence and strength are unknown resp. are irregular.

Shock

Determination of a structure's reaction to a push or shock.

Safe time and money!

