

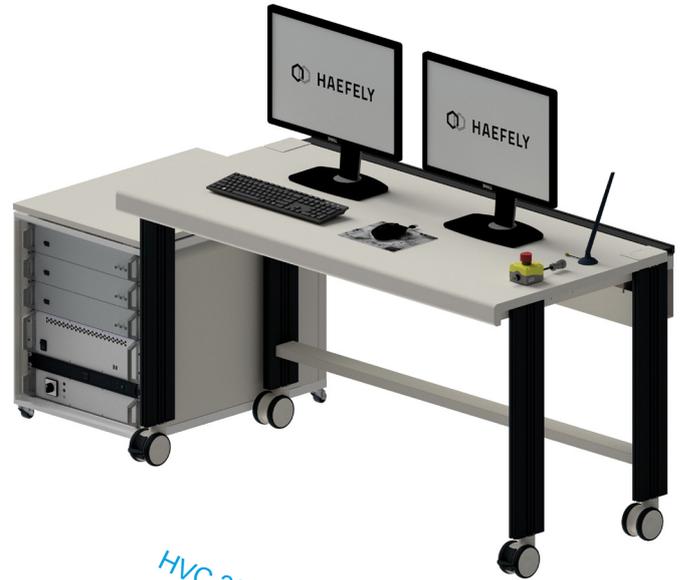


# Rejuvenate Impulse Generator Controls

**SIL3**  
**PLe**  
Safety Function



Current and voltage – our passion



HVC 300. Desk with Mini Rack



**Haefely Impulse Test systems** are known to have the lowest ownership cost as they last long, really long. There are some systems in operation since the early '60s. With periodic maintenance they work as well today as they did when they were installed the first time.

What tends to age is the control electronics. Components have become increasingly sophisticated and keep getting smaller with more & more functionality. Haefely has kept up with this trend at each step of evolution of electronics from the early Trigatron days to optic fibers and intuitive intelligence of today.

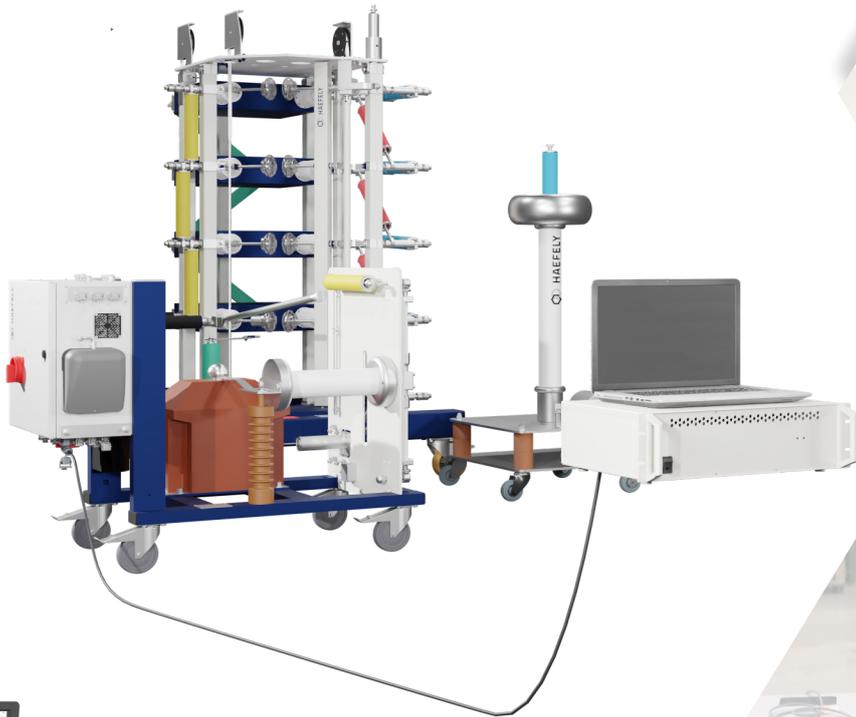
Rejuvenating or modernizing the control and measuring systems will impact the whole production line positively. Replacement of old and outdated components increases effectiveness of the generator and will certainly improve every day work. Operator safety is enhanced with latest technology in isolating High Voltages from the control cabin.

As the rejuvenation can be planned and executed methodically, disruption of test field can be kept to a minimum

**Information needed to prepare offers:** [Work order number](#) [Equipment serial number](#)

*Rejuvenate Test Fields*

*Lower Operating Costs*



HVC 300 Desk Top



HiAS 744



**Haefely HVC 300** offers all this and more.

HVC 300 operates on an EMC hardened industrial PC in its standard configuration. On special request Laptops can be offered.

Highest Resolution Haefely Impulse analyzer with Optical communication has been a big hit since its introduction in 2016. If the test field has the older versions of HiAS, it would be economical and efficient to replace them with the latest **HiAS 744** models. HiAS software can be installed on the HVC computer making the set up more compact.

After rejuvenation of controls and analyzer it would be beneficial to re-calibrate the impulse system. Haefely offers on-site **calibration services** traceable to international standards.

Contact us. Our experienced Support engineers would be most happy to be of service. Haefely is a full service organization. **When we sell equipment - our expertise comes along.**

Photographs of test field, cable connections and back panels

*Lower Downtime Costs*

*Increase Efficiency*

# HVC 300

Latest generation of impulse controls.



HVC 300 is the continuation of a long line of highly successful Haefely Impulse Controls. HVC 300 takes the safety aspect of a High Voltage control Up several notches. It uses **Fiber Optic cables** to connect to the HV hardware in the test field and protects the operator and equipment in the control room completely.

The design of the interface is ultra-modern and utilizes sophisticated visualization techniques only found in the latest mobile devices.

Automating impulse testing is extremely easy- just

fill the tables with required values and the software does the rest.

HVC 300 software shows previews of waveforms which will result from the setting entries made. User can review this and decide to go ahead with the shot or change the setting.

Generator settings are easily visible and accessible. No more digging deep into menus to find the setting needed.



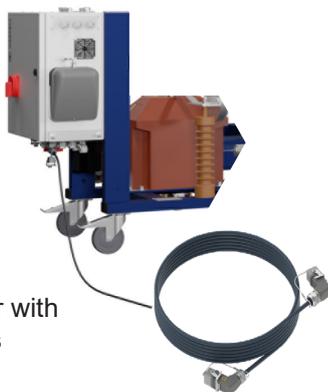
## Features

- Fiber optic connection to the HV section
- Safety Integrity Level - 3 ( SIL 3 ) compliant
- Computer is EMC proof
- Standard SPS components
- Great software user interface

## Advantages

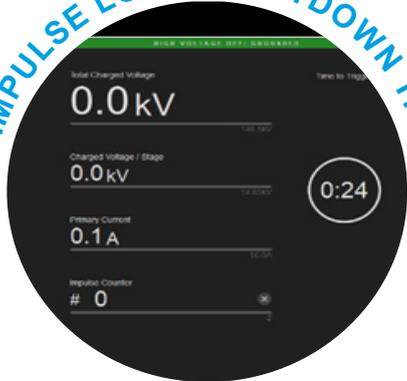
- ✓ Separation of operator and test field
- ✓ Maximum reduction of risk. High safety
- ✓ Uninterrupted working in a harsh environ
- ✓ Easy availability of spares
- ✓ Highly visible system parameters

Rugged Optic Fiber with Harting Connectors

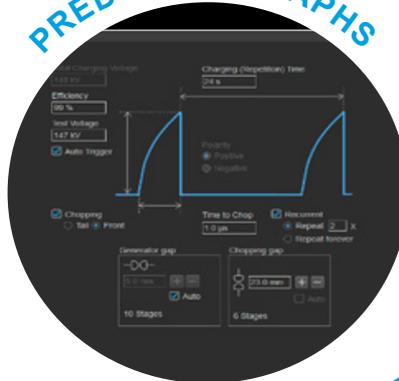


*Highest Safety    Hardened Optical Fiber    Galvanic Separation*

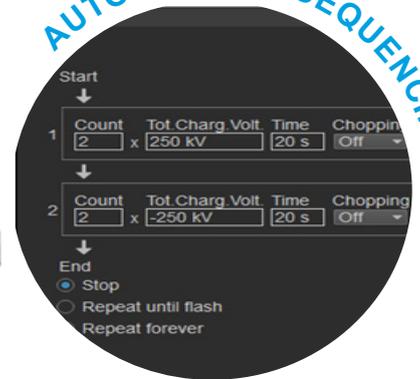
IMPULSE LOG. COUNTDOWN TIMER



PREDICTIVE GRAPHS



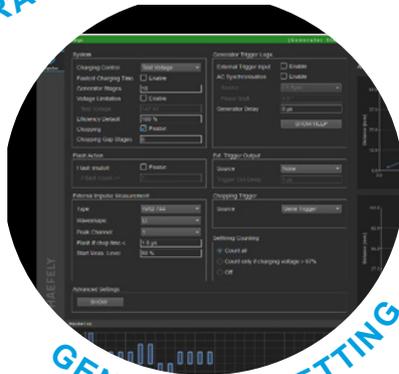
AUTOMATING - SEQUENCING



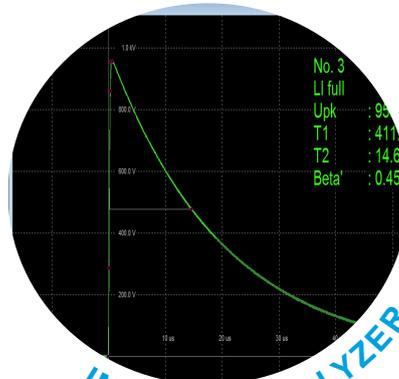
GAP SETTING GRAPHS



GENERATOR SETTING



IMPULSE ANALYZER



## Software

- Dark mode User interface
- Wave shape and Polarity preview
- Impulse Countdown timer
- Failures and Alarms prominently visible
- Automated testing

- ✓ Great Visualization
- ✓ All relevant parameters highly visible
- ✓ Know the exact moment of firing
- ✓ Heightened safety
- ✓ Tests are quicker and easier to setup

Remote Supervision Generator & Chopping Gap Control

## Global Presence

### Europe

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# HAEFELY

Current and voltage – our passion

