

**2021 PAC SIMDIS Analyzer Training - Online**  
Dedicated Training to Improve Performance, Knowledge and Skills

**PAC Training program Rotterdam**

The AC Analytical Controls® product line offers a range of high-tech analyzers for petrochemical sample streams, based on Gas Chromatography. Our products are user friendly and easy-to-use, although the technique is complex. To improve your skills, obtain the best results, and completely understand your analyzer, PAC offers a complete program of factory, customized, on-site and on-line trainings. These courses are designed to assist operators and lab engineers in their day-to-day operation of PAC systems by providing the optimal mix between theory, practice, and hands-on training. Training improves laboratory productivity and the accuracy of instrument results.



**SIMDIS Online Course Description**

The 2-day online SIMDIS training course is designed for new and experienced users of PAC products; however, a basic knowledge of gas chromatography is required.

In three sessions of one and half (1½) hour per day (total of six sessions) this online course covers the hardware, software and application of the Simdis methods.

The training is given by experienced trainers and includes presentations of the various subjects and video demonstration of key task on hardware and software. There will be opportunity for questions and answers.

The online sessions will be scheduled at on two days:  
9:00-10:30, 11:00-12:30 and 14:00-15:30 on both days (Rotterdam time).  
Participants should attend all sessions.

The training will include:

- System details, Simdis<sup>XLNC</sup> software and GC hardware application in a practical way
- Interpretation of results and discussion
- Troubleshooting and maintenance
- Calibration of the instrument

**Detailed Program:**

- Inventory of sample streams & different Simdis applications
- Introduction to Simdis principle, Applicability to the petrochemical industry and Summary of Simdis methods
- Hardware demonstration on Inlet, Detector, Column and Analysis conditions
- AC software (Iris / Simdis<sup>XLNC</sup>), the various screens, result import, using rules, setting up sequences, processing analysis of blank, calibration, reference and samples
- Calibration, generate report, peak skew & resolution, review of automatic retention time updating.
- Calculations & interpretation of results by endpoint determination - ASTM algorithm, product setup for various samples and sample types A, B, C
- Special features on user report, cut points, D86 correlation, Noack, MOV, Wax and quenching factor
- Hardware setup: electrical connections, gas connections, GC & auto sampler, installation of column & liner, installation of septum and FID maintenance
- Trouble shooting on error & warning messages, non-incremental boiling point order, blank not subtracted
- Common chromatographic problems on incorrect baseline, contamination, leaks, electronic/mechanical failure, wrong sample type settings, general issues and troubleshooting

**Certificate:**

Each registered attendee will receive a personalized training certificate that describe the scope of the training. For this purpose, the active online connections during each session will be monitored.

**Registration:**

To register, please visit our website

**The training fee is for one attendee.**

This 2-day online course has an all-in fee of € 450,- for one person.

Second and further attendees from the same company, registered at the same time will pay € 240,- each.

**Contact:**

For additional information please contact the Rotterdam office at + 31 (10) 2456 248 or send a mail to the AC Response Center ( [service.netherlands@pacip.com](mailto:service.netherlands@pacip.com) )

**Terms and Conditions:**

- Registration is required by completing the online registration form or by e-mail.
- Payments need to be settled 100% prior to the start date of the training course.
- Further details, training login-information will be submitted by e-mail.
- Training price includes training, training material by e-mail/transfer.

**Training at Rotterdam PAC factory**

The AC training schedule also include 3 days classroom training for Simdis. The training in the factory training center will include practical sessions where the attendees can work with Simdis hardware, will prepare samples, calibrations and references, run sequences and evaluate data as part of the training. These practical sessions cannot be part of the on-line training.