

FOR SEMICONDUCTOR AND

MICROELECTRONICS APPLICATIONS



Vacuum technology & maintenance training

OPERATORS ▪ TECHNICIANS ▪ ENGINEERS



YOUR GOALS

- Enhance equipment reliability
- Maintenance cost reduction
- Uptime improvement
- Skills development

OUR TRAINING METHODS

- Hands-on training
- Training plan
- Maintenance coaching
- E-learning

VACUUM TECHNOLOGY ▪ TROUBLESHOOTING
INDUSTRIAL RF ▪ OPTIMAL USE OF EQUIPMENT



Trainingby4030.com

**When it comes to equipment,
what you see is only the tip
of the iceberg**



**RF GENERATORS
PUMPING SYSTEMS
POWER SUPPLIES
REMOTE PLASMA SOURCE
LEAK DETECTORS
CHILLERS**

**PROCESS CHAMBERS
ELECTRONIC AND ROBOTIC
MASS FLOW CONTROLLERS
VACUUM ELEMENTS
MANOMETERS
VALVES**



OUR TRAINING APPROACH



Why choose us

We apply advanced methodologies with hands-on training on real size equipment, tutored e-learning, theoretical courses or skills development programs.

We can offer tailored learning programs to meet a particular corporate strategy, trainees' proficiency or organizational need. We propose more than 50 technical training modules for semiconductor and microelectronics industry.

We deliver the benefits of both training centers and OEMs, through our thorough training infrastructure and largescale training equipment, all brands, all models available. We build certifying training modules in partnership with renown training institutions.



Check out our training areas at
www.trainingby4030.com



OUR TRAINING OFFER



VACUUM TECHNOLOGY

- Vacuum physics & technology
- Cleanroom engineering design
- Helium leak detection
- Residual gas analyser and mass spectrometry
- Ultra-clean refurbishment techniques
- Ultrasonic cleaning
- Vacuum system

OPTIMAL USE OF EQUIPMENT

- Helium leak detectors
- Residual gas analyzers
- Vacuum instruments & calibration
- Clean concept behavior in cleanrooms
- Chillers and cooling systems
- Safety

SPECIFIC MAINTENANCE

- Rotary vane pumps
- RF technology and sub-assembly repair
- Cleanroom maintenance
- Roots blowers



Trainings in
French & English



E-learning modules
available



MORE THAN 50 TRAINING TOPICS



TROUBLESHOOTING

Helium leak detectors
Vacuum systems
Turbomolecular pumps
Cryogenic pumps
Chillers
Plasma equipment
Complex instruments

INDUSTRIAL RADIO FREQUENCY

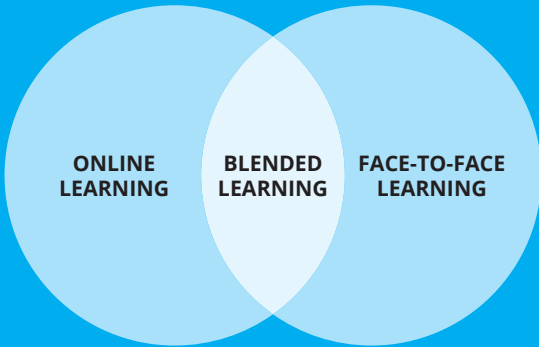
Principles and techniques
RF diagnosis on etching & deposition equipment
RF with technical applications HPCVD Rack
RF-Plasma interaction

JOB QUALIFICATIONS

Specialist in vacuum and UHV systems for microelectronics and space industry
Electronic engineer support for test & development
Support technician of vacuum systems
Maintenance engineer - plasma equipment

Need to book a training?
Call us at +33 (0)4 76 87 40 30

HANDS-ON



OUR TOOLS AND METHODS

Our vision of the future of training is translated through continuous investment and improvement in teaching tools:

- Conversion of our IT to the Cloud model
- New communication and training tools
i.e. Skype for Business
- Development of e-learning courses
Mooc, virtual classes, forums, quizzes, etc.
- Collaborative mean of knowledge transfer, AMPS®

40-30 Customer-focused training quality management system

1. ANALYSING Needs Analysis / Evaluation quiz
To evaluate trainees' knowledge level

2. PREPARING Course design e-Learning / Planning
To optimise the course

3. TEACHING Learning & Training application at customer's site
To learn required skills

4. QUALIFYING Evaluation quiz / Knowledge validation
To check knowledge acquisition & deliver a competence certificate

5. FOLLOW-UP Feedback
To continuously monitor and improve



CUSTOMER & PARTNER REFERENCES

These companies trust us to train their teams

CERN ▪ ALSTOM ▪ AGILENT VACUUM
AIRBUS ▪ AIR LIQUIDE ▪ EM MICROELECTRONIC
ILL ▪ ESRF ▪ CNRS ▪ GENERAL ELECTRIC
BOLLORE ▪ CEA ▪ LETI
CNES ▪ CORIAL ▪ IBA ▪ IMEC
INES ▪ INFINEON ▪ KOBUS LUMILED
SAFRAN ▪ SIEMENS ▪ SOFRADIR
SOITEC ▪ SOURIAU ▪ ST MICROELECTRONICS
THALES ALENIA SPACE ▪ ULIS IR
VALEO ▪ WITZENMANN
X-FAB

EUROPEAN PARTNERS



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