

FOR SEMICONDUCTOR AND

HIGH-TECH 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 analysis 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

Vacuum systems
Turbomolecular pumps
Cryogenic pumps
Chillers
Plasma equipment
Complex instruments

INDUSTRIAL RADIO FREQUENCY

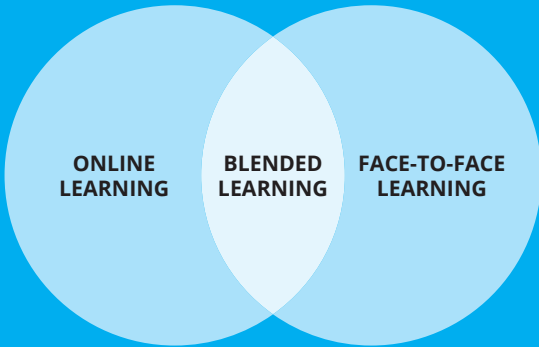
Principles and techniques
RF diagnosis on etching & deposition equipment
RF with technical applications
RF-Plasma interaction

JOB QUALIFICATIONS

Leak detection NDT certification levels 1, 2 and 3, according to ISO9712
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
LMS Learning Management System
- 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

AGILENT VACUUM ▪ AIRBUS
AIR LIQUIDE ▪ ALSTOM ▪ BOLLORE
CEA ▪ CERN ▪ CNES ▪ CNRS
EM MICROELECTRONIC ▪ ESRF
FRAMATOME ▪ GENERAL ELECTRIC ▪ IBA ▪ ILL
IMEC ▪ INES ▪ INFINEON ▪ LETI ▪ LYNRED
PLASMA-THERM ▪ SAFRAN ▪ SIEMENS SOITEC
SOURIAU ▪ ST MICROELECTRONICS
THALES ALENIA SPACE ▪ TOPPAN
VALEO ▪ WITZENMANN
X-FAB

EUROPEAN PARTNERS



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T +351 217 574 331 *Lisboa*



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COFREND NDT Training Center: NDT qualified personnel according to standard ISO 9712 & EN 4179
COFRAC: Vacuum accredited calibrations according to ISO/CEI 17025
CEFRI: French certification for radioprotection management