Advanced Engineered Solutions
A Global Leader in
Specialty Chemicals
Surface Finishing Equipment
Engineered Powders
Analytical Controls

Wet Processes,
An endless renewal of challenges.

Dr. J DAVIOT
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PLAN

• Technic
• Market
• Challenges to face

*Full presentation can be obtained under request @:

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Technic France, part of Technic Inc, RI, USA

- 5 Manufacturing plants in France (SD, Chalon, Rousset, Amiens, Grenoble)
- 2 R&D labs, 3 QC labs, 4 Clean rooms
  - Fully equipped - Analytical and inspection techniques
- Developing, supporting and producing
  - Wet cleaning chemistries for the semiconductor industry
- Process assessment, guidance & optimization
- Sourcing, manufacturing & private labelling
  - 7500 tons (capacity 20000 tons)
  - Quality management: ISO 9001, ISO 14001, ISO 45001

Technology transfer to Technic sites
Close to end users
Technic’s Products for IC manufacturing

Micro-pure- ultra pure & blends

SEC-Specialty Chemicals
TechniStrip®, TechniEtch & TechnicClean

Metal Plating and bath monitoring
_Elevate® Au, Ni, Cu, In…_

Toll Manufacturing
& private labelling
Wet technologies, forever young
Wet processes, Rejuvenation is necessary

- New Technologies requirements
- Legacy Products limitation
- HSE pressure

Wet Chemicals, sustainability is proximity

- Supply Chain/logistics
- European Partners
Opportunities for European Actors

CHEMICAL PROCESSES FOR SEMICONDUCTOR MANUFACTURING

- PHOTORESIST STRIPPING
- RESIDUES CLEANING
- SELECTIVE ETCHING
- METAL DEPOSITION
A strong European eco-system

- **Customers**
  - INTEL
  - STM
  - INFINEON
  - Qualcomm
  - SEAGATE
  - GLF
  - OSRAM
  - XFAB
  - QORVO
  - ANALOG DEVICES
  - MURATA

- **Institutions**
  - LETI
  - IMEC
  - Fraunhofer
  - VTT

- **Equipments**
  - Siconnex
  - Semsysco
  - NexGen
  - AP&S
  - AM/semitool
  - RENA
  - LAM
  - TEL/…

- **Suppliers**
  - Resins
  - Solvents
  - Additives

**BENEFIT to**
- Technology sharing/awareness btw different actors
- Join development for process optimization
  - Support end-user’s demand, special request & problem solving
  - Fine tuning, customization and optimization

**European Partners**
Collaboration, Optimisation, Validation, Integration for Devices

- Wet surface preparation must adapt & respond to many challenges
  - Complexity (stacks, geometries, materials…)
  - Functionality (performance, purity…)
  - Reliable Sourcing (raw materials, quality control…)
  - HSE Regulation (growing local constraints…)

Sustainable solutions can only emerge from deeper cooperation and joint developments

- Europe has unique specifications and regulations for chemicals, demanding our own local European solutions.

- Engagement in competitive technical collaborations to address process performance, safety and resource management.
Let’s work together upon our mutual future
Feel free to contact us.