



KEY TECHNOLOGIES

Environment Control in Clean Zones

Key words: *clean rooms, air treatment facilities, flexible diffuser ducts, work area arrangement, ultra-clean water loops, clean room qualification, optimisation of the equipment operating in controlled environments, definition of cleaning protocols, decontamination, initial clean-up preparations, cleaning contract, characterisation of the gas flow parameters (temperature, pressure, and hygrometry), dustiness, air-flow displays, cleanliness, cleaning, dust removal*

Some industrial activities require controlled environment in the following areas:

- ▶ Temperature
- ▶ Moisture
- ▶ Pressure
- ▶ Level of cleanliness

The facilities guaranteeing these working requirements have to be designed, built, and maintained in compliance with rules based on experience, chiefly pertaining to:

- ▶ The physical arrangement of the premises
- ▶ The characteristics of the equipment and equipment integration
- ▶ Instructions for human use
- ▶ Maintenance rules

The coherence of all these factors guarantees success across the board. Coherence involves controlling a range of technical and organisational skills and expertise

HUMAN POTENTIAL

▶ A technical team of 1,000 people just at the companies in the EMA group

METHODS

The methods, skills and expertise draw on extensive experience acquired at the regional industrial facilities where the teams run checks on the 'tough spots' in operations and highlight the problems through testing in realistic environments.



SUPPORT TO BUSINESS SET-UP PROJECTS IN BASSE NORMANDIE

The Basse Normandie Region has rolled out all its resources to support business projects in the following areas:

- ▶ General funding
- ▶ Business project support
- ▶ Training programs
- ▶ Corporate user services at operations site
- ▶ Technology transfer to companies: www.gravir.org and www.crittbn.com

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