



# CleanRooms



Ducomp designs & constructs Modular and Non-modular CleanRooms of Class1/ISO3 to Class100000/ISO8 using special construction materials to achieve and maintain desired parameters viz. temperature, humidity, airflow patterns, illumination vibration and noise levels, room pressure, critically low levels of dust, airborne organisms or aerosol/vaporised particles, man-material movement and behavioural practices, and, regulated operation/maintenance procedures.

Ducomp's world-class CleanRooms are used in Pharma/Biotech/Electronics/Medical Device/Vivarium/R&D/Hospitals and other Sectors.

### Ducomp's Range of Services

As experts in CleanRoom technologies, it provides the most effective solutions and customised designs and execution methods to meet non-standard requirements and other unique and unusual needs. Ducomp provides a comprehensive solution for engineering, procurement, construction, commissioning, and validating your CleanRoom facility.

### Ducomp's Reliability

Ducomp's end-to-end Turnkey CleanRoom Solutions have earned respect of the market and an impressive roster of repeat clients. Making it the go-to name in customised CleanRoom

Solutions - from Consultancy to Implementation to Maintenance, Ducomp has evolved along with the various phases of CleanRoom industry and thoroughly understands the intricacies of the qualification, construction, commissioning and validation in sync with the current and most stringent standards / challenges in non-standard applications.

### Ducomp's Proven Expertise

Ducomp's design and execution professionals are experienced in providing services to Pharmaceutical, Chemical, Biotech, Electronics, Medical Device, Animal Research, Hospital and such other industries with approved validation protocols, test procedures and acceptance criteria for each product / system.

The SOPs are system / equipment specific, test procedures as per the current guidelines, well documented reports - all converged to suit your needs and to face audits successfully.



### Ducomp's Standards

- Professional and transparent coordination,
- Selection and use of right material/equipment for intended purpose/project quality, better efficiency and overall project delivery within reasonable budget
- Simplified, quick, clean, easy and organised construction methods at work

### Ducomp's Engineering Services

- Ducomp's engineering services will typically include:
  - Design and construction of CleanRooms in sync with specific requirements of new / existing / modification to existing facilities.
  - Ducomp provides complete capability, from conceptual to detailed design of Turnkey CleanRooms including Layout, Space planning, HVAC, Electrical, CleanRoom equipment, other material selection and Modifications to existing systems.

### Review of adequacy of performance of existing systems.

Where there is concern or uncertainty with regards to achieving required system performance, Ducomp assists clients by reviewing system design/operating parameters

and implement right solutions to establish compliance with the appropriate regulatory, safety case or performance standards criteria.

### System Commissioning, Air Balancing & Validation.

Systems which, are not properly commissioned, are out of balance or fail to deliver appropriate levels of airflow / pressurization / such other parameters have the potential to impact the working environment, process and product quality, and, safety of personnel. These systems failing may not to be noticed on a day to day basis, but unless rectified can have a negative effect on performance of both plant and personnel. Regular system surveys and integrity checks, as a part of a planned maintenance routine, is considered a good practice and classified as high priority.



### Sharp troubleshooting, Repair, Maintenance or Retrofit.

In recognition of the crucial role played by effective repair & maintenance in assuring system integrity, Ducomp provides the complete range of MEP service (HVAC / Electrical / Fire safety, etc.). This can include the review of existing planned maintenance routines, AMCs, working with clients to effect programmed rationalization and overall cost-savings, while seeking to maximize plant and system availability through maintenance strategy.

