

## END SYSTEM LIMITED - FULFILLING YOUR SPECIALIST NEEDS

The main objective of commissioning management is to manage the overall commissioning activities, including programming, commissionability, method statements, progress/coordination meetings, services inspection/reporting, witnessing of commissioning/controls and arranging client tuition to achieve project completion date.

The commissioning programmes produced by building services installers and their sub contractors are frequently over optimistic and uncoordinated. They assume that others will co-operate in providing water, gas, electricity supplies and a weather tight building with unobstructed access and a dust free environment. A risk of project overrun will exist unless the interdependencies of all the building services systems and plant are identified, together with their integration with on going construction activities. This complex and often highly fragmented part of the construction process demands good management.

The commissioning manager needs to be involved as early as possible in the project to ensure that the design is commissionable and ensure the services installations progress in line to give 'systems ready to commission'.



At End Systems we provide the quality staff needed for such a demanding role.

The End Systems Commissioning Management Team provide a truly effective addition to your own Project Team by influencing the activities of everyone involved in order to make the building operate successfully by:-

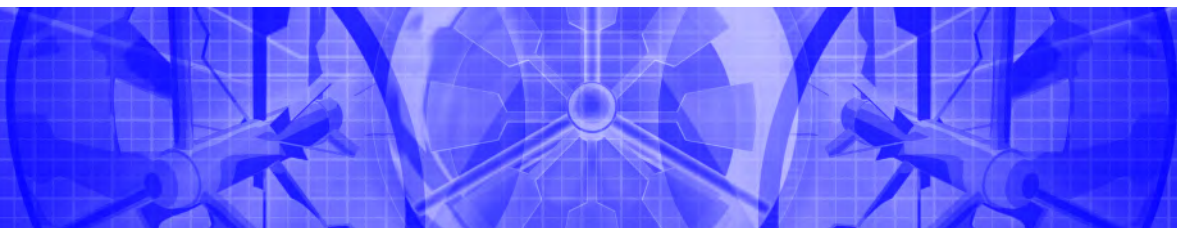
- Checking design and installation drawings for commissionability.
- Preparing co-ordinated Commissioning and Testing Programmes.
- Monitor the installations during construction.
- Organising/chairing meetings in respect to commissioning.
- Conducting building fabric surveys.
- Witness all commissioning and testing activities for systems and equipment.
- Collation of all commissioning and test results.
- Co-ordination and facilitating client tuition.

## COMMISSIONING VERIFICATION

We can also provide a Commissioning Verification Service to assist your own Project Team by using their experienced commissioning staff during the commissioning and testing period by:-

- Checking design and installation drawings for commissionability.
- Monitor the installations during construction.
- Witness all commissioning and testing activities for systems and equipment.
- Collation of all commissioning and test results.

***“Take the worry out of handover”***



All works approved under Part L of the Building Regulations are required to be commissioned in accordance with the design intent. It is the statutory duty of the building owner or his/her agent to ensure compliance with the requirements of Part L. It is therefore essential that the construction programme allows sufficient time for the commissioning phase prior to handover.

Commissioning & testing is the advancement of an installation from the stage of static completion to full working order to specified requirements. This includes the setting to work and regulation of the systems to design requirements. Commissioning is deemed to be complete when all regulation work is concluded.

The process incorporates static pre commissioning, which is carried out prior to setting to work, balancing and regulation, performance testing and system report upon completion.

At End Systems we provide quality engineers to fulfil the needs of all HVAC commissioning from small projects up to the largest installations.



End Systems offer a highly professional Commissioning and Testing Service to meet the clients specification and the relevant Codes of practice published by BSRIA, CIBSE and CSA.

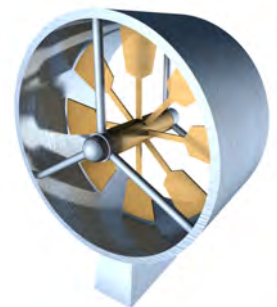
Our specialist Commissioning and Testing Service meets the needs of the Building Services and Pharmaceutical Industry and includes the following:-

- Pre-Commissioning
- Setting to Work
- Balancing and Regulation
- Environmental Checks and Tests
- Pressure Regimes and Airflow Directions Checks
- Sound Level Readings
- Clean Room Testing
- LEV Testing
- Temperature Mapping
- Rapid Response Shut Down Testing
- Electrical Testing
- BMS/Controls Commissioning and Testing
- Preparation of Detailed Type Written Reports
- Demonstration to the Accepting Authority

Whether it be mechanical or electrical services or BMS/Controls, let End Systems Commissioning Service take the lead in your Commissioning and Testing Activities

End Systems Limited, the only choice For:

- Commissioning Management
- Commissioning & Testing
- Validation
- Technical Documentation
- CAD Services
- Building Leakage Testing
- Water Treatment



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