

We are a Waterford based Mechanical, Electrical and Fire Safety Engineering Consultancy. Since our amalgamation in 2002 *Sheridan Associates* has grown steadily. We have built a team of experienced engineers to offer the full professional building services design package, from concept and initial plant space estimates to a fully commissioned building. Sustainable Mechanical and Electrical systems, Fire Certification and now we are accredited to issue Building Energy Rating Certificates. We have specialists in each area.

We can produce budget costs for proposals, tender packages for designs and working drawings for construction. We can supervise and inspect our designs throughout the construction phase and ensure compliance with specification. If desired we can survey existing Building Services Installations for compliance with all regulations, guidelines and best practice and as required under the next stage of the EPBD we can carry out inspection of large boilers and air-conditioning plant. In this context we can also carry out air-tightness and thermal imaging of existing buildings.

We are Registered with Sustainable Energy Authority Ireland (SEAI) for Building Energy Rating Assessments for all types of Buildings including Dwellings, Commercial Premises, Public Buildings and Schools. We are also FETAC Registered Course Providers and have successfully trained and qualified BER Assessors for architectural practices in the Region.

Our mission is to embrace awareness of building energy efficiency and propose solutions that promote effective building energy management and maintenance procedures.

We endeavour to design building services systems using the most innovative and cost effective schemes and as clients become ever more concerned with energy issues we can specify the most efficient and environmentally responsible equipment available.

We employ the latest technologies in document and drawing production and all projects are managed using *Streamline* which tracks all documents, drawing revisions, correspondence, project progress, design time and cost control.

And of course as Chartered Engineers we can provide accredited certification.

Our project portfolio includes numerous commercial, residential, pharmaceutical, industrial, educational and healthcare developments. We would welcome the opportunity to submit fee proposals on any planned development appropriate to our abilities.

Our Design Packages include the following Sustainable Building Services Engineering:

Energy Conservation, Management and Sustainability Engineering

- ✧ Low Energy Sustainable Building Solutions
- ✧ Renewable Energy Source Solutions
- ✧ Building Air-tightness & Natural Ventilation
- ✧ Thermal Insulation Solutions
- ✧ Assessment and advice on Energy Conservation and Management
- ✧ Energy Audit of Proposed Designs and Constructed Buildings
- ✧ Building Energy Rating Certification

[more...](#)

Mechanical Engineering Design

- ✧ Natural/Passive Ventilation Solutions
- ✧ Mechanical Ventilation & Air Conditioning Systems
- ✧ Clean Room Technology
- ✧ Heating Systems (Underfloor, Radiator, Forced Air etc.)
- ✧ Refrigeration Systems (Chilled Ceilings, Cold Rooms etc.)
- ✧ Hot and Cold Domestic Water Services
- ✧ Natural Gas and LPG Installations
- ✧ Renewable Energy Boilers (Wood Pellet etc)
- ✧ Solar Energy Collectors
- ✧ Heat Pump Installations (Air, Ground or Geothermal)
- ✧ Rain/Grey Water Collection Systems
- ✧ Fluid Pumping and Distribution Systems
- ✧ Above Ground Soils and Waste Piping Systems
- ✧ Building Management Control Systems

Electrical Engineering Design

- ✧ Site Power Distribution and ESB Substation services
- ✧ Main Switchgear and Distribution
- ✧ General Service and Small Power
- ✧ Electric Storage and Panel Heating Design
- ✧ Photovoltaic Array Energy Collection and Battery Storage
- ✧ Wind Turbine Installations
- ✧ Lighting Design (General, Specialist, Facade and Decorative)
- ✧ Fire Safety Alarms and Protective Systems
- ✧ Earthing and Lightning Protection
- ✧ Combined heat and power (CHP) / cogeneration
- ✧ Power system analysis
- ✧ Intercom and Security Package
- ✧ Mechanical Services Switchgear/Isolation and Wiring
- ✧ Structured Cabling and Communications
- ✧ Multi Media Packages
- ✧ Control and Power wiring to Mechanical Plant

Electric/Hydraulic Transport Engineering

- ✧ Preparation of Lift/Escalator/Loading Bay Specifications
- ✧ Lift Installations
- ✧ Tendering of Contracts
- ✧ Administration of Contracts

Fire Safety Engineering

- ✧ Assessment for compliance with Part B of Building Regulations
- ✧ Preparation of Fire Certification Application (Drawings & Specifications)
- ✧ Liaison with Fire Chief
- ✧ Site supervision/Chartered Engineer Certification