

GPJ Consulting Engineers Ltd

National Trust Shop, Boscastle

GPJ Consulting Engineers were Mechanical and Electrical Consultants relating to the refurbishment and upgrade of a former restaurant damaged by the floods.

The work converted the building into a National Trust Shop and adjoining North Cornwall District Council Tourist Information Centre and document store, with National Trust letting properties on the first and second floors.



The Devastating Boscastle Floods



Truro Cathedral

In order to help protect the inner fabric of the building and the magnificent organ and its sensitive components, a sophisticated Building Management System continuously monitors the environmental conditions from six separate sensors throughout the large building.

This system adjusts the boilers and air handling plant to ensure comfort for the occupants whilst maintaining the building within its optimal conditions. The boilers have been replaced with a new array of condensing boilers to offer a reduction in both energy and maintenance.

A new extension is planned for the Cathedral and GPJ is assisting the Client and Design Team with their plans to offer a first class modern building for the local community.

Truro Cathedral

GPJ Consulting Engineers act as consultants and advisors for the Cathedral and staff who are responsible for the smooth running of this historic Cornish landmark building.

The complex heating system can be controlled and monitored electronically from our offices via a computer link to ensure that the system is performing within the required tolerances, affording the best heating and humidity conditions at all times.



Truro Cathedral's New Boilers

Penlee House - Art Gallery and Museum

GPJ Consulting Engineers have provided professional guidance to both Client and the Building Maintenance Contractors, in respect of upgrading and re-fitting of plantroom equipment and ensuring that all systems are operating correctly.

We have expert knowledge of full dew point control air conditioning systems required in buildings which house sensitive and valuable artefacts.



Penlee House Museum and Art Gallery

Historic and Listed Buildings

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Housing, Flats and Apartments

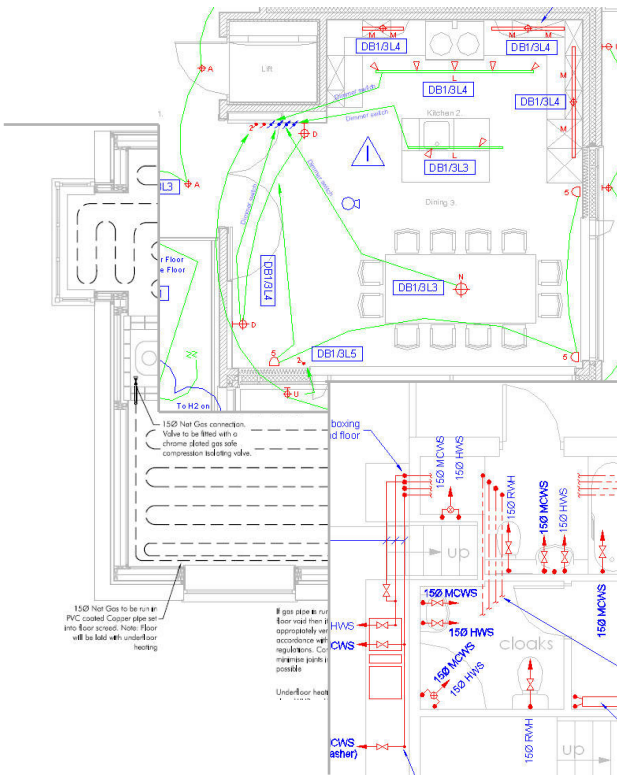
GPJ Consulting Engineers specialise in a Building Services Housing Package which ensures that the engineering design for community housing is designed to a standard to which plumbers and electricians can work easily, and the design can be adapted and handed to mirror layouts.

This pack enables the client to source the best quality installation at a reasonable price and to maintain standards and budgets for a large housing development throughout the contract.



A Housing Estate for a local Developer

Housing, Flats and Apartments



Detailed Drawings are Provided to Assist Contractors

GPJ Consulting Engineers are particularly interested in the development of Combined Heat and Power (CHP) schemes, particularly on Community projects, where the base load for heating can be maintained in summer and winter.

This work involves underground heating mains as well as the generation of local electricity for the community. Excess electricity is exported into the grid.

GPJ Consulting Engineers have undertaken specialist projects for large communal housing developments throughout the South West.

The objective of these designs is to provide a facility where heat is centrally generated and allows for the possibility of inclusion in the future of a CHP scheme. Our designs are based on the latest green issue technology available which we would want to embrace and include into both large and small engineering schemes throughout the county.

GPJ Consulting Engineers have recently completed a design for 12 luxury apartments with centralised Ground Source Heat Pump units providing the heating and hot water for the properties.

We are also currently investigating the design and implementation of solar hot water heating for a local housing developer to offer substantial energy savings to the property owners in the years to come.

Wind power is another technology which we are also embracing to provide homeowners and developers with an environmentally friendly way to meet today's energy conscious lifestyle.



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