



The UK Passive House Organisation

Dr Wolfgang Feist

UK Passivhaus Tour 2012

30th June - 3rd July 2012



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Construction Quality Assurance when building to the Passivhaus Standard

High Quality Low Energy Zero Carbon Environmental Fit
Homes and Communities

Jon Seaman
Integrity Buildings Limited



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**Currently completing design prior to construction of a certifiable
160m² detached Passivhaus in Cambridge.**

Build programme

- weather and airtight in 2 days
- Total Build programme 7 weeks

**Looking at own development site in Norwich for 16 Passivhaus Homes
+ Office**

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“Quality Assurance is a mechanism for ensuring that the construction process takes place within the framework of a quality management system”

Currently in UK no set Passivhaus Path in either

- **Design or**
- **Construction**

A form of Quality Assurance is key to the delivery of a certifiable Passivhaus standard Building

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Quality Assurance in Passivhaus

- **Building Physics**
 - **Design**
 - **Specification**
 - **PHPP Calculation**
 - **Future Proofing**
 - **Cradle to Grave**
 - **Climate Change adoption**
 - **End of Life Strategy**
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- **Sustainable Procurement**
 - **Waste Minimisation**
 - **Transport**
 - **Method Statements and Risk Analysis**
 - **On-Site Construction**
 - **Commissioning**
 - **Maintenance Programme**

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Integrity Quality Assurance – On-Site

- **Method Statements**
- **Risk Assessments**
- **Idiot Guides and Drawings**
- **Induction**
- **Tool Box Talks**
- **Sub-Contractors and Suppliers**
- **Site specific KPI's**
- **Preventative and Corrective Actions**
- **Commissioning**
- **Post Construction**

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