

**HVCA**

*Guide to  
Good Practice*

**Heating and  
Ventilating  
Contractors'  
Association**

# **Installation of Combined Heat and Power**



**TR/37**

# Guide to Good Practice

# Combined Heat and Power

# TR37

## Acknowledgments

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This publication has been written by BSRIA Ltd on behalf of HVCA and has been reviewed by CIBSE, BRE, FETA, REA and the HVCA Technical Committee.

Combined heat and power systems are an important technology for space heating and hot water in individual buildings and for district heating schemes. This guide will underpin the development of a Competent Person Scheme and Inspection and Assessment regime for HVCA Members

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## FOREWORD

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The need to address energy usage and in particular the associated carbon emissions created by its generation and consumption, has caused those responsible for the design, installation and operation of buildings to review many of the traditional methodologies.

Regulations and in some cases client requirements, are demanding more innovative solutions to the provision of heating, hot water generation, cooling and electricity generation. Invariably such solutions lie in new applications of existing and proven technologies, but the skill is in knowing when they are appropriate and how to make them efficient. Planning conditions for some buildings now require a means of generating some on-site electricity and CHP is again becoming a viable engineering choice.

Combined heat and power has been for many years been used for a variety of applications in the commercial sector but this Guide provides an overview of the different applications including micro-CHP for the domestic sector, with their benefits and limitations as well as giving some outline design information for each of them. Although independent of any manufacturer, this guidance is not intended to supersede design data or instructions provided by suppliers, whose recommendations should always be followed.

The Guide is intended to be part of a suite of publications covering generic installation requirements for a range of renewable energy systems including solar hot water, heat pumps and biomass fuels. It draws on the wide range of existing HVCA publications covering good practice in building engineering systems.



**Graham Manly**

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