



## Introduction

Located on the outskirts of Tullamore, Co Offaly, the Tullamore Court Hotel is the ideal central location, just 90 minutes from Dublin, Galway and Limerick.

Contemporary in style, the hotel offers all the luxuries one would expect from a four star property. Consisting of 104 guest rooms including 33 executive rooms this hotel is complemented by fine dining, extensive leisure /conference facilities and friendly, helpful staff to create the perfect choice for a short break.

## Economic/Environmental benefits of CHP at Tullamore Court Hotel

- ◆ CHP significantly reduced the heating and electrical consumption at the hotel.
- ◆ CHP at Tullamore Court Hotel achieves energy savings in excess of €70,000 per annum.
- ◆ A payback period of less than the originally anticipated 3.04 years was achieved.
- ◆ CO2 emissions for the hotel were reduced by more than 507,000kg per annum.
- ◆ Enhanced security of supply.

### Technical Specifications

CHP Model: ENER.G 125  
 Fuel Type: Natural Gas  
 Electrical  
 Output: 122kWe  
 Heat Output: 196kWh  
 Fuel Input: LHV 357kWg  
 Fuel Input: HHV 395kWg

### Design Team

*Consultants*  
 Noel Lawlor Consulting  
 Engineers  
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## Owners Perspective (Advantages of CHP)

The introduction of our CHP plant in 2006 has been of huge benefit to the hotel, I would go as far as to say that every hotel with leisure facilities or sufficient hot water demand should seriously consider installing a CHP plant. With payback of three years or less and substantial grants available, CHP offers significant financial and environmental savings. We installed a CHP plant as part of our expansion; we added 9 meeting rooms a new kitchen and 32 new bedrooms yet in real terms our energy bills rose by only 7 %, due to the efficiency of the CHP unit, furthermore we significantly reduced the hotels CO2 emissions.

*Source Philip O'Brien, General Manager, Tullamore Court Hotel*

