

# THE SOLAR



# EXPERIENCE



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# WHERE WERE WE – DECEMBER 2009 ?

- Stock condition survey -2006
- Proactive approach to energy efficient homes
- Energy Assistance Package (EAP) funding being utilised for insulation measures in addition to former 'Warm Deal'
- EDC stock – National Home Energy Rating Scheme (NHER) of 6.9 against a Social Housing average of 6
- EDC stock – Standard Assessment Procedure (SAP) of 67.3 against the national average of 51
- Thermal imaging record of EDC stock was unavailable
- No New Technologies within EDC stock



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# FACTORS CONSIDERED WHEN SELECTING PROJECT LOCATION

- Energy efficiency measures presently in place within the EDC stock portfolio
- Properties identified within the SHQS forward planned heating replacement programme for 2009/10
- Level of funding available from public utilities
- EDC's contribution against the payback period
- Project completion before the onset of winter to benefit the customer
- Future Maintenance of Solar Thermal Panels
- Can Property Maintenance benefit from 'Partnership Working'



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# THE ROWANS SHELTERED HOUSING COMPLEX - BISHOPBRIGGS

- 21 homes, built in 1980 and of traditional construction, had featured previously in our energy efficiency schemes
- Cavity wall, attic insulation and draft proofing measures previously undertaken under the 'Warm Deal'
- Double glazing present
- SHQS heating replacement planned for 2010/11
- 50% external grant funding available via LCBP Phase 2
- Suitable time available for training of PMS operatives in respect of future maintenance of panels
- All customers were elderly or infirm and properties would remain in sock portfolio



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# COST AND CUSTOMER BENEFITS

## **EDC outlay:**

- Overall installation cost before funding - £78,045
- Outlay by EDC after funding contribution - £39,022

## **Customer benefits:**

- Energy savings – up to 75% of the 25% cost of supplying domestic hot water
- Reduced energy bills for both domestic hot water and heating
- Lesser impact when energy prices rise



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# MAKING THE PROJECT A SUCCESS FOR ALL !

## Customer Feedback:

- Project was well researched in advance
- Customer focus was paramount to Property Maintenance and it's energy partners – Mark Group / Scottish Gas
- Quality information was essential to effective communication
- Quality of workmanship was essential given make up of community within the complex
- Savings in real terms now being realised by customers – Tom Crawford, Chairperson of The Rowans Tenants Association



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# WHAT'S NEXT ON OUR 'Green Agenda' ?



## Partnership Working:

- Extending our 'Partnership Working' experience with the Mark Group on:
- Second 'Solar Energy' scheme at Canniesburn Road Sheltered Housing Complex, identified for 2010/11
- Burns Court Solar and PV regeneration project
- First Local Authority in Scotland to thermal imaging via 'Heatseekers'
- Joint marketing exercise, publicity and training
- One year on - case study on The Rowans Complex



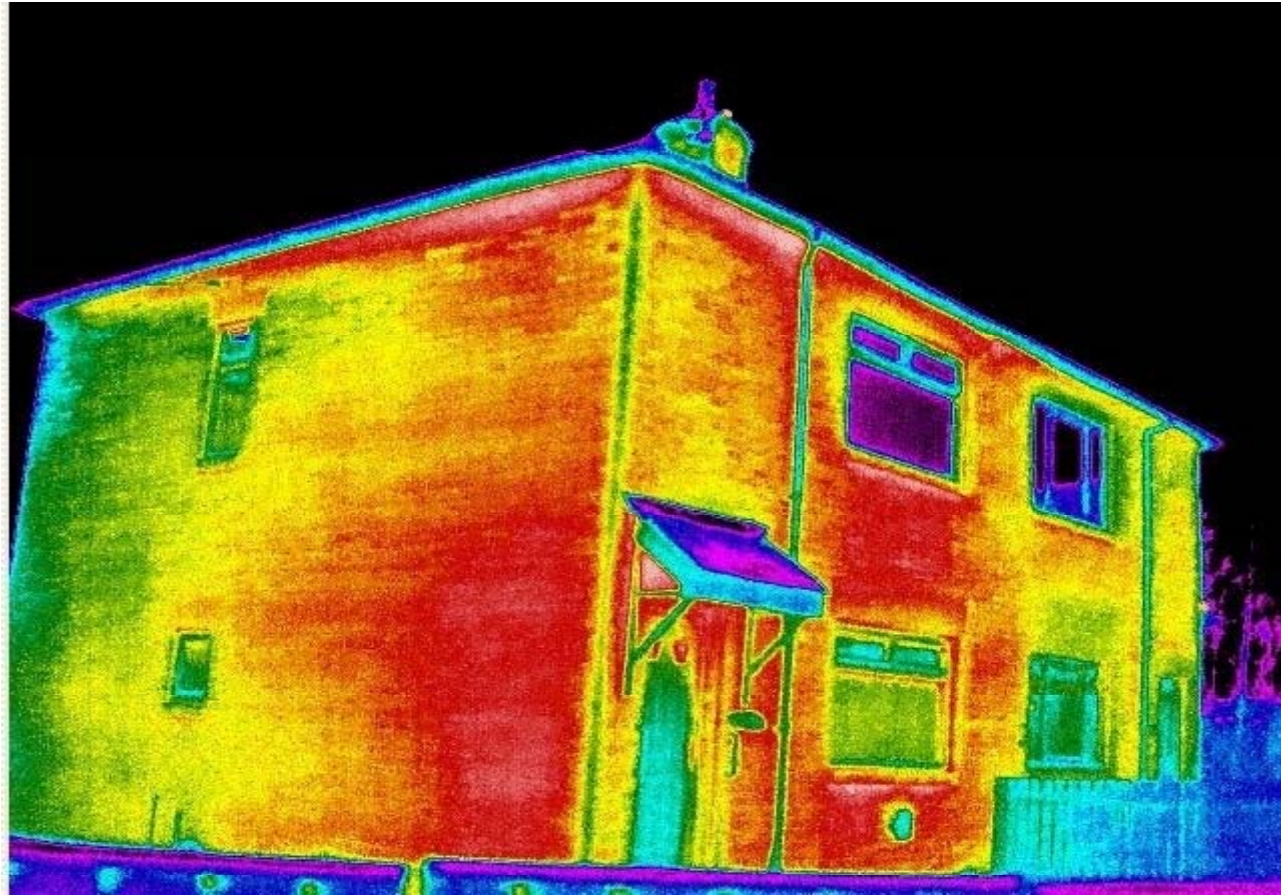
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# THERMAL IMAGING



# WHAT'S NEXT ON OUR 'Green Agenda' ?



## **New Income Streams:**

- Utilising 'Our Generation' Renewable Heat Initiative (RHI) funding scheme
- Shorter payback periods for Solar technology i.e. 7 years
- Annual income stream after payback period i.e. 13 years
- Feed in Tariff (FIT) – Ongoing income stream to EDC from above scheme to assist facilitate future projects
- Successful Universal Home Insulation Scheme (UHIS) bid - £250,000
- Continued bids for Energy Assistance Package (EAP) funding



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# Working in Partnership

