Investor Confidence Project Europe

How ICP's Investor Ready Energy Efficiency (IREE™) certification addresses the needs of investors and ensures successful building renovation projects

Financing Energy Efficiency in Central Europe Prague, 27 April 2017

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Building owners and investors demand transparent, consistent and trustworthy projects

Approach What is IREETM?

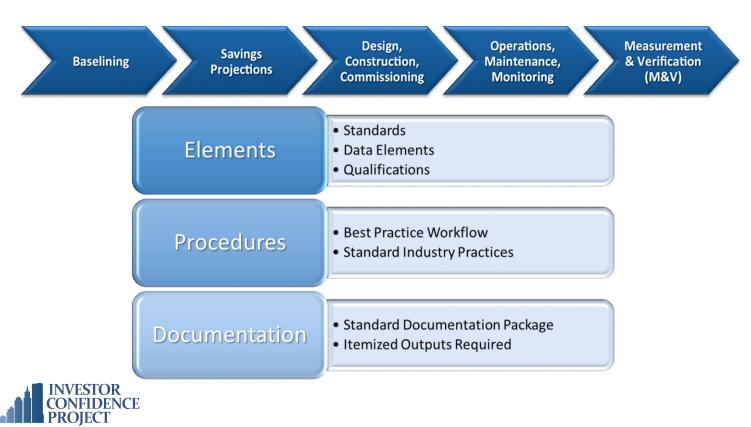
An international framework for reducing owner and investor risk, lowering due diligence costs, increasing certainty of savings achievement and enabling aggregation.





Approach

ICP standardises the building renovation process





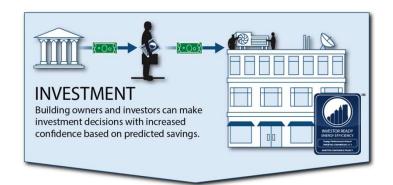


Approach

IREE™ certification is delivered before the performance period











Approach

IREE™ certification guarantees a comprehensive process

Credentials of calc./

model specialist

Design, Operations, Measurement Savings **Baselining** & Verification Construction, Maintenance, **Projections Commissioning** Monitoring (M&V) Historical energy usage Baseline review **OPV** plan OM&M plan (fault M&V plan detection+remediation) Energy end use con-Building/systems and Credentials of OPV Credentials of third sumption breakdown **ECM** descriptions specialist party M&V specialist **Energy consumption** Savings calculations normalisation model Independent variables ECM performance + cost data analyses Calc./model inputs, Abbreviations outputs, assumptions, **Energy Conservation Measure** OM&MO Operations, Maintenance & Monitoring weather files, model Operational Performance Verification calibration details Measurement & Verification M&V







Benefits

Investors

How investors benefit from IREE™ certification

- IREE™ reduces due diligence costs and speeds underwriting.
- It opens access to quality projects
 through Credentialed Project
 Developers and increases
 confidence in project fundamentals
 and engineering.
- Standard projects and document
 packs with third party allows for the
 aggregation of projects across
 borders and programs.





Investor Network

ICP connects projects with investors



ICP's Investor Network represents over €1.5 billion in energy efficiency project capital. They are looking for quality projects built to IREE™ standards and some provide **incentives** for IREE projects.



































Projects

First IREE certified project in the UK

- 3 hospitals (built in 1865) of the NHS Trust in Liverpool
- Energy efficiency measures: CHP, new speed drives,
 LED lighting, plant optimisation, etc.
- Savings: 14,5 GWh p.a.
- Standard Tertiary Protocol
- Baseline and savings calculated with CEF's existing Excel tool







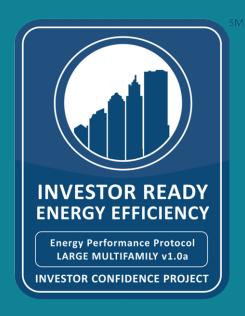
Projects

Pilot projects/programs under development across Europe

Country	Project type	Details	Protocol
Austria	Student residence	Deep energy retrofit	Large Aptartment Block
Bulgaria	Schools	Deep energy retrofit (insulation, windows, heating, lights)	Large Tertiary
Germany	Student residence	Deep energy retrofit (insulation, HVAC, lighting)	Standard Apt. Block
Germany	Hotel	Deep energy retrofit (insulation, HVAC, lighting)	Standard Tertiary
Portugal	Municipal building	Building retrofit	Targeted Tertiary
Portugal	Swimming pool	Replacing dehumidifiers	Targeted Tertiary
Portugal	Office buildings	Miscellaneous	Standard/Targ. Tertiary
Portugal	Various Pilot Programs	Adopting ICP framework (crowdsourcing platform, national fund for energy efficiency, international fund)	All
UK	Office building	СНР	Targeted Tertiary
UK	Pilot Program	Adopting ICP framework (program for public buildings)	All







ICP's Investor Ready Energy
Efficiency™ (IREE™) Certification
ensures transparency,
consistency and trust-worthiness
through best practice and
independent verification.

Thank You

Visit the Investor Confidence Project Europe at http://europe.eeperformance.org

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