Structuring Investor Ready Energy Efficiency Projects

Jorge Rodrigues de Almeida

Bucharest, 1 February 2018





In 2016, global energy-efficiency investment rose 9% to









To achieve "66% 2°C" scenario requires average investment into energy efficiency > USD 1 trillion a year between 2016 and 2050

i.e. circa 5 x current level

We need to build the jigsaw of energy efficiency finance













Lack of standardization is a problem

Lack of standardization (in project development and documentation) is one of the major barriers to increasing investment into energy efficiency



Energy Efficiency – the first fuel for Europe

Energy efficiency projects do not yet meet the requirements of capital markets. No two projects or contracts are alike.



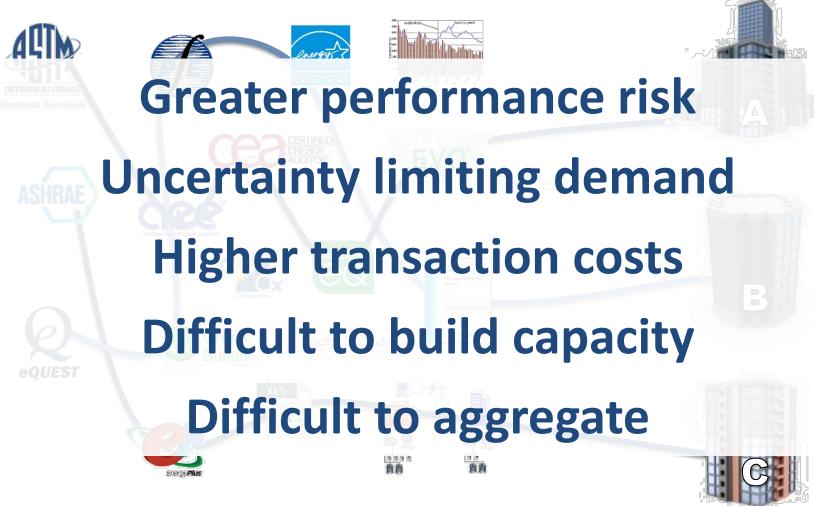
Michael Eckhart, MD & Global head of Sustainable Finance

Standards are like DNA. They are the basic building blocks for all technology and economic systems.





Lack of standardization is a problem







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



Ensures transparency, consistency and trustworthiness through **best practice and independent verification.**





The Investor Ready Energy Efficiency™ Certification



IREE™ is the quality mark like BREEAM or LEED but for a **BUILDING**, **DISTRICT ENERGY**, **INDUSTRY OR STREET LIGHTING EFFICIENCY PROJECT**



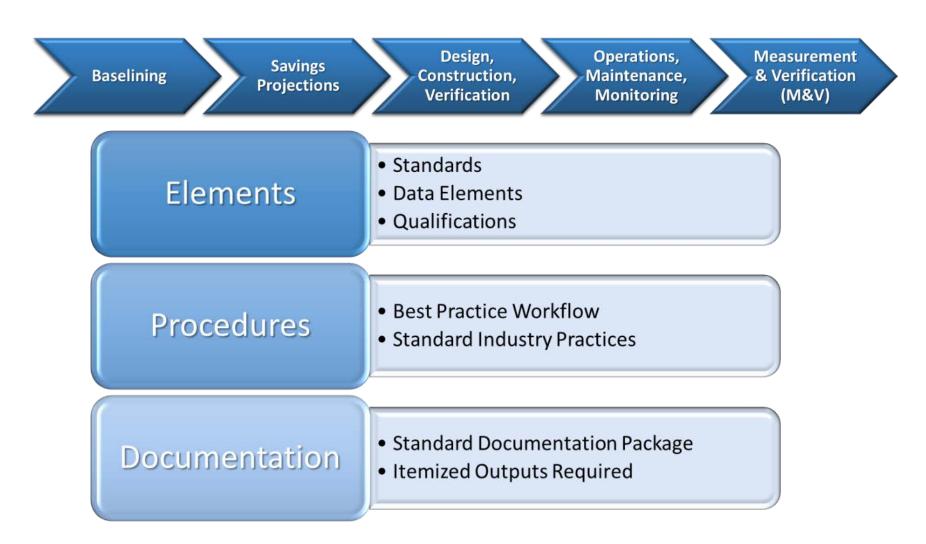


IREE™ can be used with any energy efficiency project performance indicator – it is certifying individual energy efficiency projects



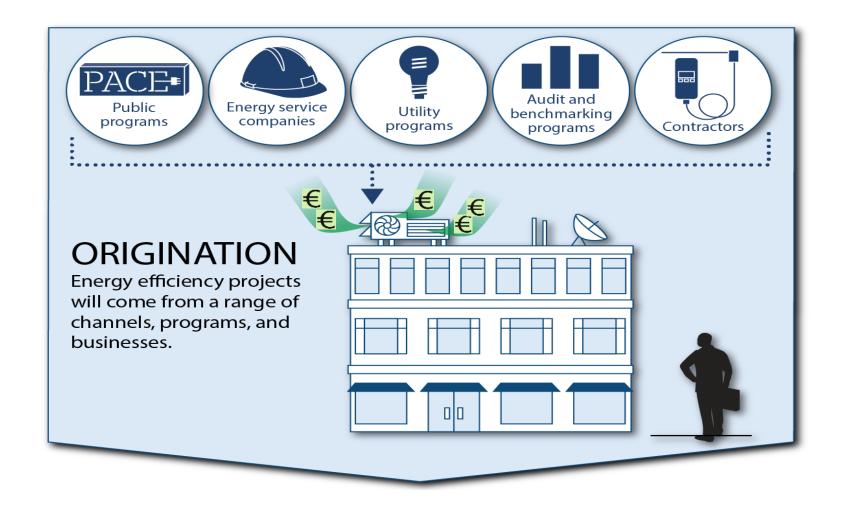


What is the content of the IREE™ Certification?



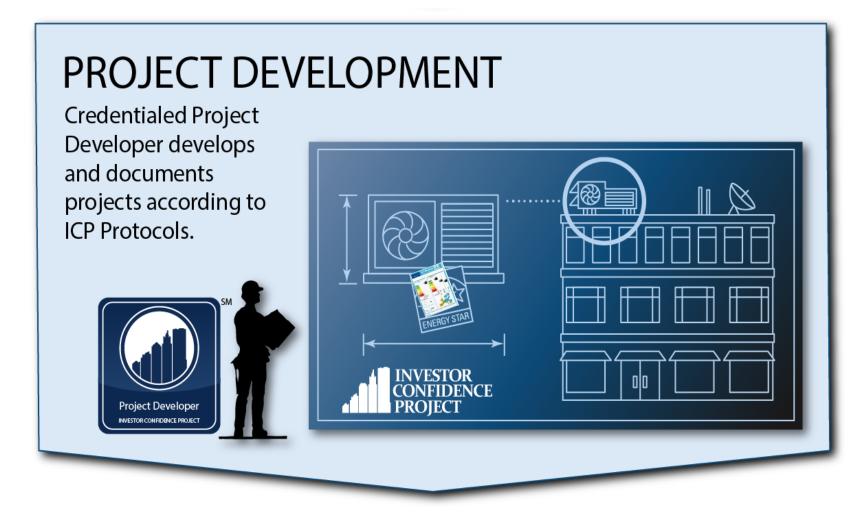
















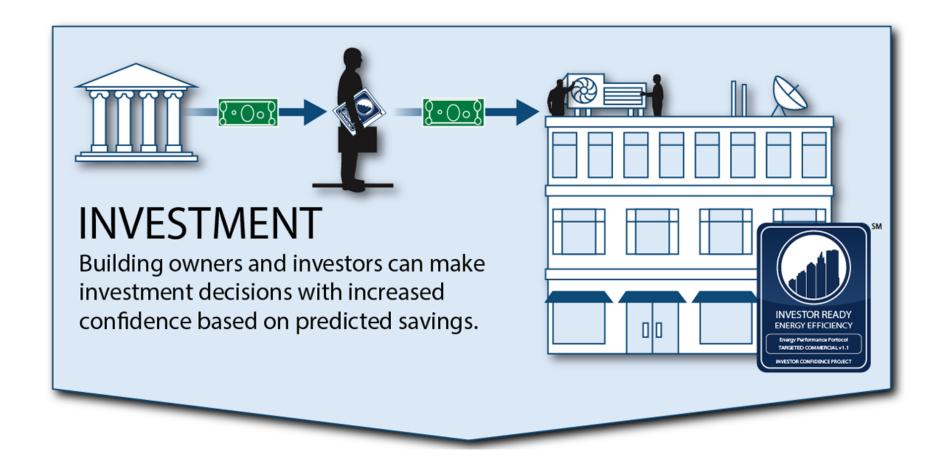
CERTIFICATION Independent Credentialed

Quality Assurance Provider reviews project for ICP compliance and certifies qualifying projects as Investor Ready Energy Efficiency™.



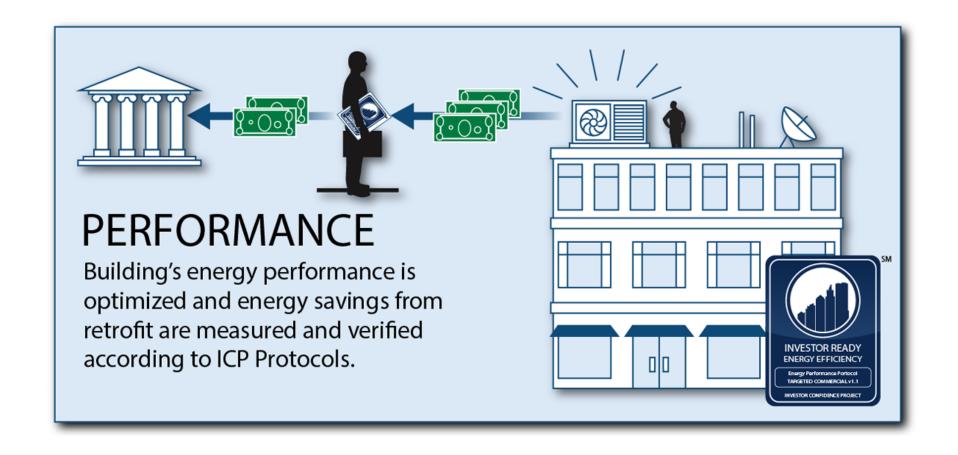
















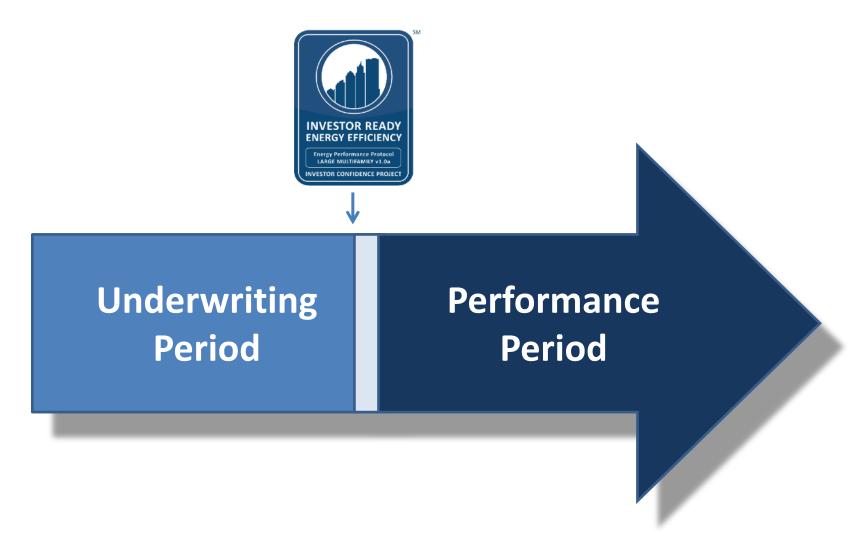
What project types is IREE™ designed for?







The IREE™ Certification is delivered prior to investment decision







Benefits: Project owners

IREE's independent review and certification of proposed projects:

- Gives owners confidence in project development and savings achievement.
- Enables the comparison of projects and access to more project investment.
- Can function as a "Tender in a box" and underwriting criteria for buildings and portfolios.





Benefits: Investors

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





Benefits: Project developers

- Offers a repeatable project
 process, aiding Quality Assurance
- Enables more project approvals
 due to industry standards and 3rd
 party review
- **Differentiates your company** and increases credibility with customers
- Increases ability to connect with finance, insurance, utility programmes, without additional transaction costs





Benefits: Government programmes

- Investor Ready Energy Efficiency[™]
 is based on internationally
 recognized and off-the-shelf
 technical standards ready to
 deploy.
- Ready made provider credentialing and training programme.
- Allows for the ability to distribute
 Quality Assurance costs to the
 market.





ICP Investor Network

ICP Investor Network represents €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.











































Menhaden

Certified Projects

- 3 hospitals in Liverpool, UK
- Commercial office in London, UK
- Commercial office in Portugal
- Private secondary school, UK
- Leisure centre, UK



Three NHS trusts to save half of energy expenditure with 'landmark', industry-first funding grant

By Liam Stoker 11 Jul 2016, 16:02



Three NHS trusts in Liverpool are to benefit from the first Investor Ready Energy Efficiency-certified funds, and save nearly £2 million each year.

Aintree University Hospital NHS Foundation, Liverpool Women's NHS Foundation Trust and The Walton Centre NHS Foundation Trust will receive £13 million in funding under the Environmental Defense Fund's Investor Confidence Project.

That funding, developed by the Carbon and Energy Fund and financed by Macquarie Group, will pay for various energy and carbon saving initiatives which are intended to cut the three trusts' energy consumption by 50%.





Lessons learnt from pilot projects

- Wide variation in savings calculations
- Early engagement is important
- Additional effort can be minimal
- Committed contract price is typically final piece of jigsaw
- Consistent document management is key







How Can We Help You?

- We can certify your project
- We can connect you with investors
- We can connect you with industry-leading project developers
- We can help you make your city/regional/national programme more attractive to investors
- We can train and credential you which will enable you to stand out in your industry
- We can add you to our Ally Network





Contact

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Climate change is a major threat to development with economic, health and safety, food production, security and other dimensions.

Scientists confirm unequivocally global warming and that humans are causing most of it through activities that increase concentrations of greenhouse gases, such as deforestation and burning fossil fuels. Major changes are being observed.

RdA – Climate Solutions believes that the most dangerous climate changes may still be avoided but immediate global action is needed to slow the growth in greenhouse gas emissions and to adapt to changes that are already locked in.

RdA is an advisory company specialized in mitigation and adaptation strategies. Our team includes world-class experts in climate change, energy efficiency and sustainable finance.

Key areas:

- Low-carbon and climate resilient cities;
- Energy efficiency and renewable energy;
- Sustainable finance.