

# Investor Ready Energy Efficiency

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Financing Energy Efficiency in Poland, Czech Republic, Slovakia and Lithuania

Warsaw, 30th November 2017



# Lack of standardization results in:



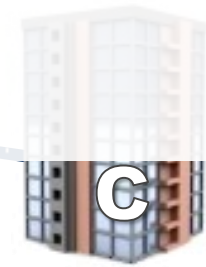
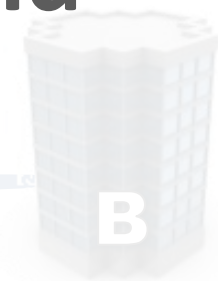
**Greater performance risk**

**Uncertainty limiting demand**

**Higher transaction costs**

**Difficult to build capacity**

**Difficult to aggregate**

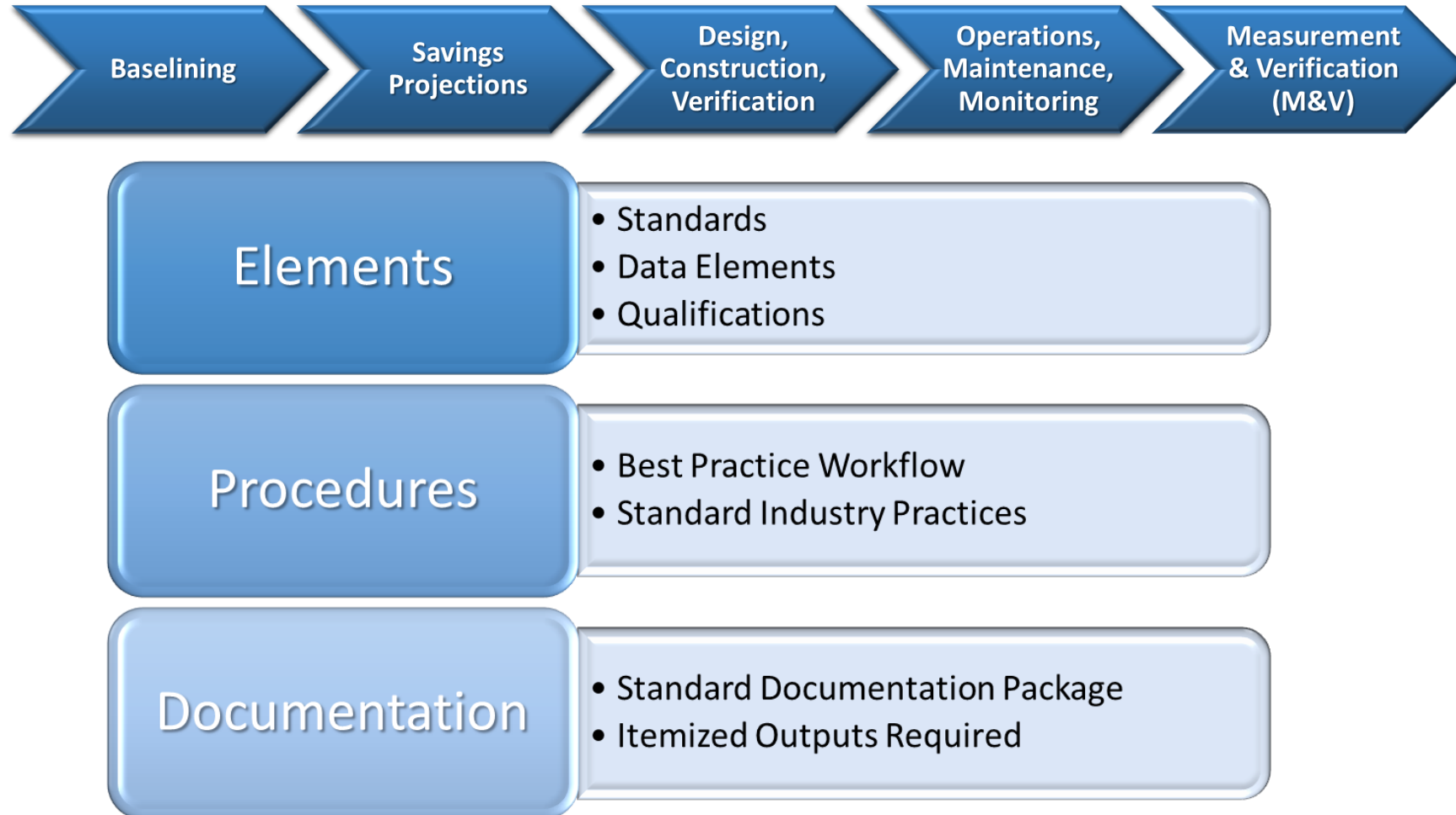


An international framework for reducing owner and investor risk, lowering due diligence costs, increasing certainty of savings achievement and enabling aggregation.

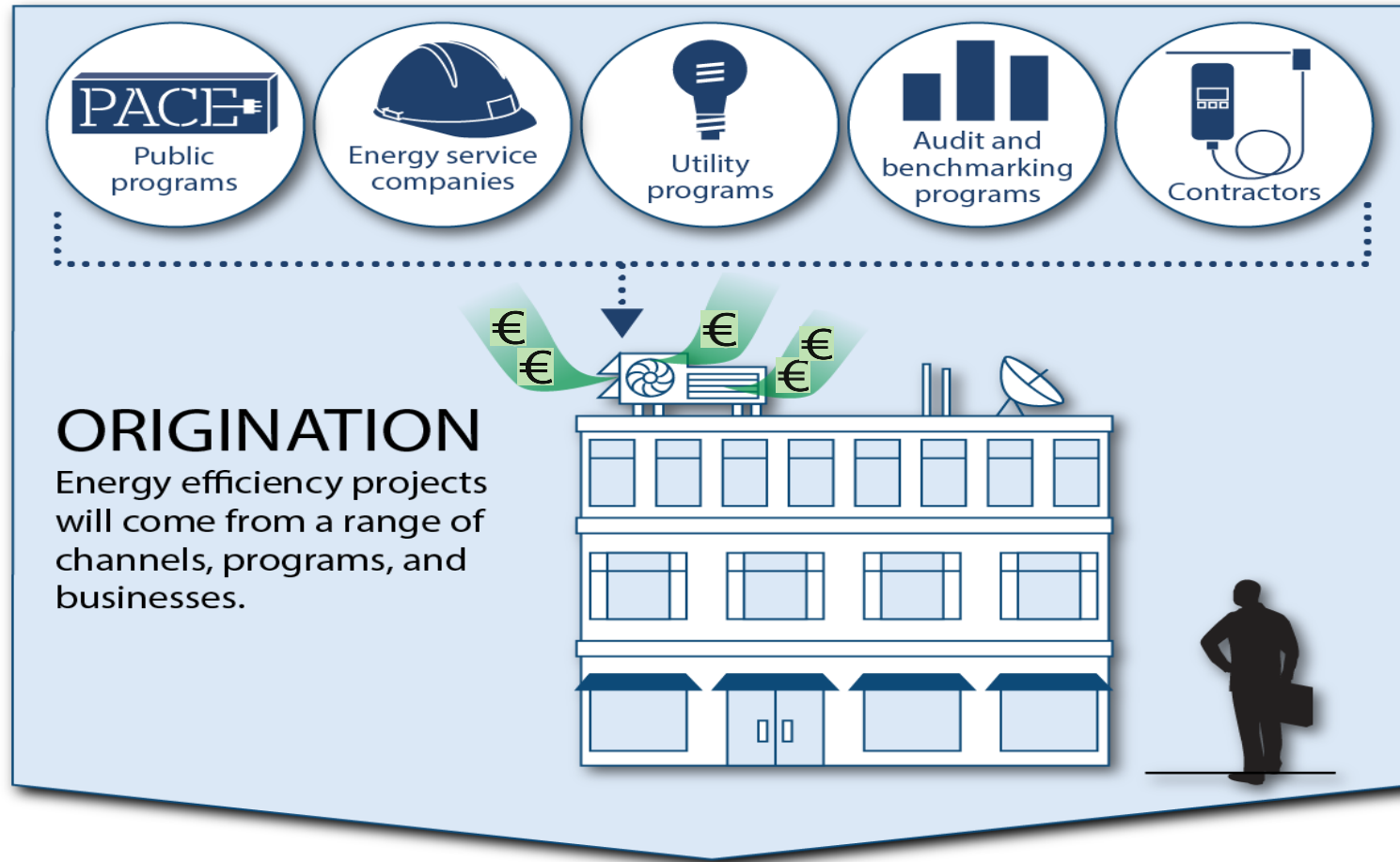


Ensures transparency, consistency and trustworthiness through **best practice and independent verification.**

# What is the content of the IREE™ Certification?

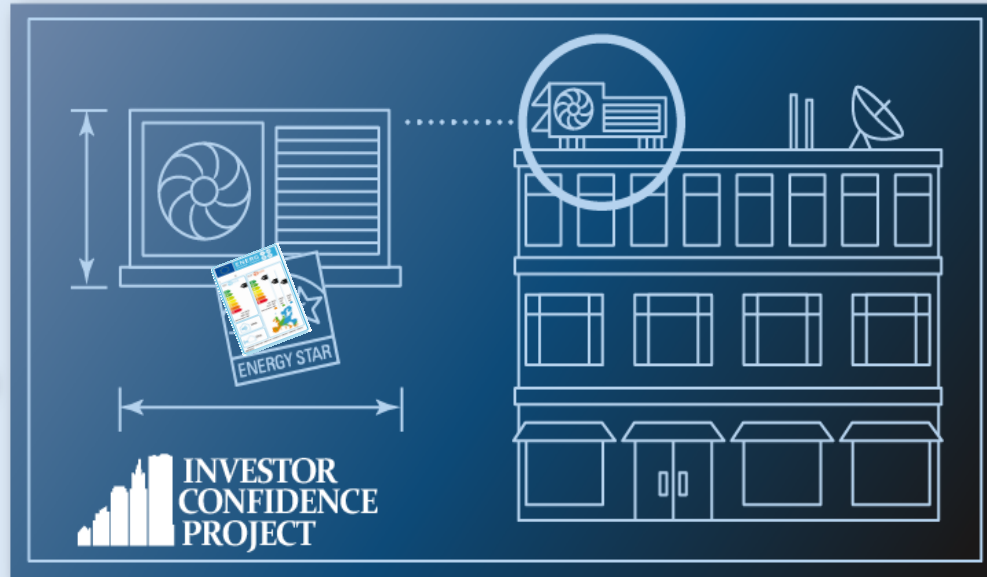


# The process of IREE™ Certification



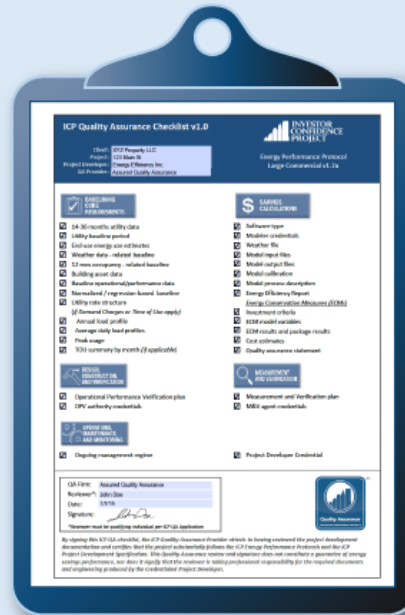
# PROJECT DEVELOPMENT

Credentialed Project Developer develops and documents projects according to ICP Protocols.



# CERTIFICATION

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



ICP Quality Assurance Checklist v1.0

Client: ICF Property LLC  
Project: 10000  
Project Location: Energy Efficiency Inc.  
ICP Provider: Investor Ready Energy Assurance

Energy Performance Protocol  
Large Commercial v1.0a

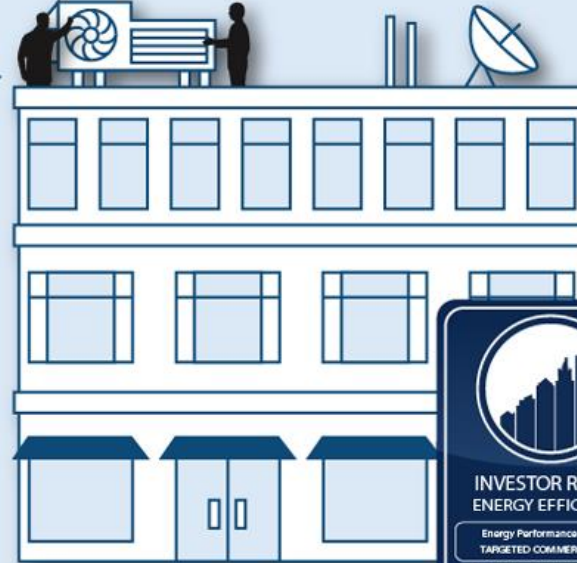
EXCLUSIONS (ICP Exclusions)	ISSUES (Exclusions)
<input checked="" type="checkbox"/> 14-30 months of utility data	<input checked="" type="checkbox"/> Software type
<input checked="" type="checkbox"/> Utility baseline period	<input checked="" type="checkbox"/> Weather conditions
<input checked="" type="checkbox"/> End use energy use not tracked	<input checked="" type="checkbox"/> Weather file
<input checked="" type="checkbox"/> Metering data - related location	<input checked="" type="checkbox"/> Model input file
<input checked="" type="checkbox"/> 21 month occupancy - related location	<input checked="" type="checkbox"/> Model output file
<input checked="" type="checkbox"/> Building use not data	<input checked="" type="checkbox"/> Model calibration
<input checked="" type="checkbox"/> Weather spreadsheet performance data	<input checked="" type="checkbox"/> Model general description
<input checked="" type="checkbox"/> Manualized / regression based location	<input checked="" type="checkbox"/> Energy Efficiency Report
<input checked="" type="checkbox"/> Utility rate structure	<input checked="" type="checkbox"/> Energy Conservation Measures (ECMs)
<input checked="" type="checkbox"/> If General Charges or None of the apply	<input checked="" type="checkbox"/> Treatment of ECMs
<input checked="" type="checkbox"/> Annual load profile	<input checked="" type="checkbox"/> EUI or model variables
<input checked="" type="checkbox"/> Average daily load profile	<input checked="" type="checkbox"/> EUI results and package results
<input checked="" type="checkbox"/> Peak usage	<input checked="" type="checkbox"/> Cost estimates
<input checked="" type="checkbox"/> kWh currency by month (if applicable)	<input checked="" type="checkbox"/> Quality assurance statement
<input checked="" type="checkbox"/> ENERGY STAR CERTIFICATION	<input checked="" type="checkbox"/> MEASUREMENT AND VERIFICATION
<input checked="" type="checkbox"/> Operational Performance Verification plan OPV authority needed/ok	<input checked="" type="checkbox"/> Measurement and Verification plan
<input checked="" type="checkbox"/> ENERGY STAR CERTIFICATION	<input checked="" type="checkbox"/> MVI report needed/ok
<input checked="" type="checkbox"/> Dispatch management engine	<input checked="" type="checkbox"/> Project Developer Credentialed

ICP Form: Assured Quality Assurance  
Business's address:  
Date: 12/18  
Signature: [Signature]

ICP Provider: Investor Ready Energy Assurance

By using this ICP-QA checklist, the ICP Quality Assurance Provider attests to having reviewed the project development documentation and certifies that the project substantially follows the ICP Energy Performance Protocol and the ICP Project Development Guidelines. This Quality Assurance review and signature does not constitute a guarantee of energy savings performance, nor does it imply that the reviewer is taking professional responsibility for the reported documents and/or engineering or related to the construction energy consultant.



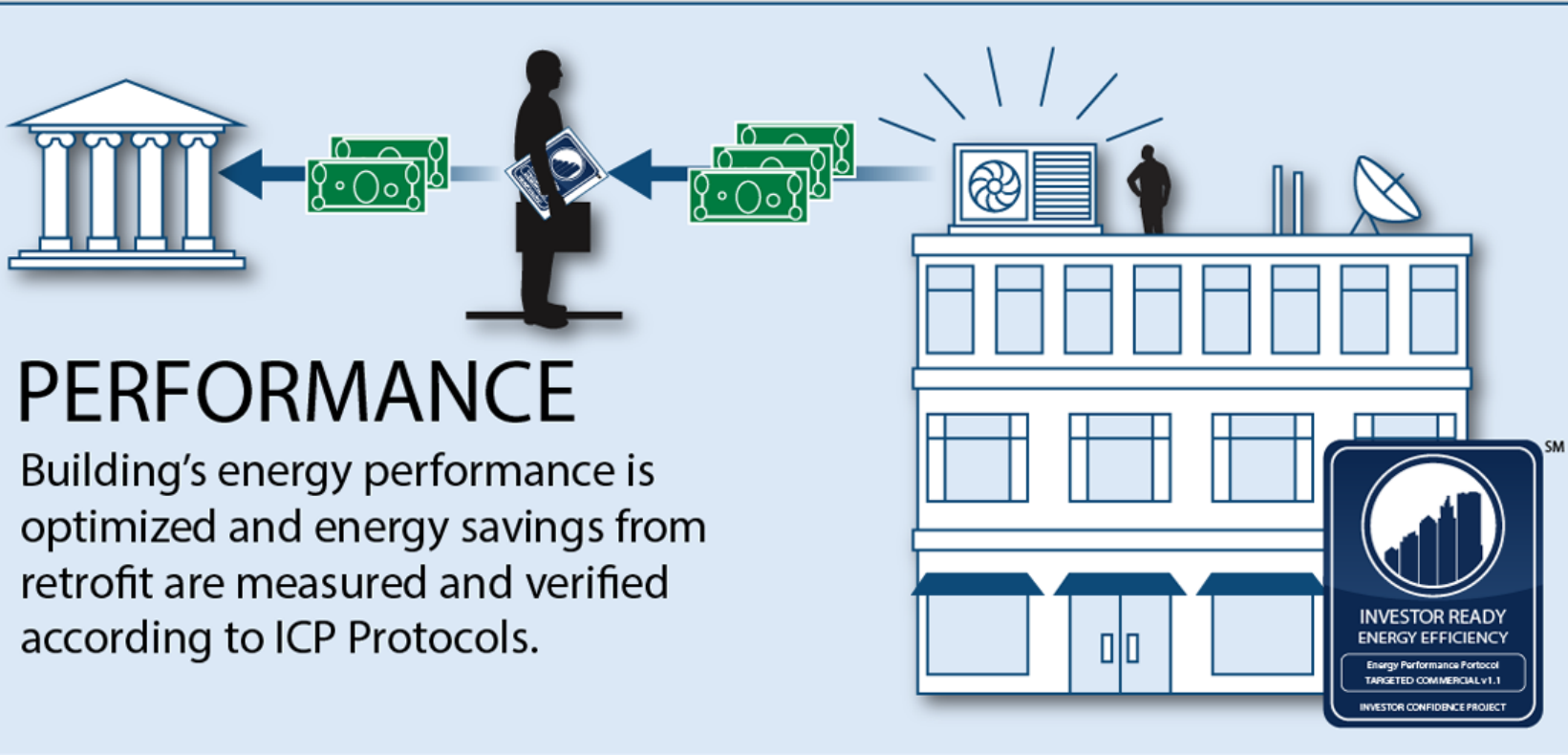


# INVESTMENT

Building owners and investors can make investment decisions with increased confidence based on predicted savings.







# What project types is IREE™ designed for?



**BUILDINGS**



**INDUSTRY**



**DISTRICT ENERGY SYSTEMS**



**STREET LIGHTING UPGRADES**

# 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 3<sup>rd</sup> 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**.



# Contacts

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