

## PVTRIN Training and Certification of PV installers in Europe

*The European Initiative for  
raising standards and promoting confidence*

Dr John Holden, BRE

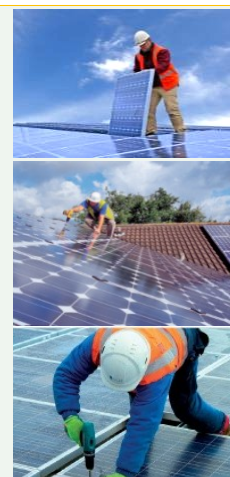
Install+RES and PVTRIN Strategic Workshop, Brussels, 12<sup>th</sup> March 2013



### The PVTRIN Certification Scheme



- **Independent certification scheme for PV installers**
- **Compliant with requirements of Directive 2009/28/EC**
  - Accredited or nationally recognised training leading to certification of PV installers
  - **Fully transparent, transferable requirements**
    - Yet also meets national requirements (NCCs)
  - **Incorporates best practice from existing schemes**
  - **Time limited certification**
    - Performance monitoring



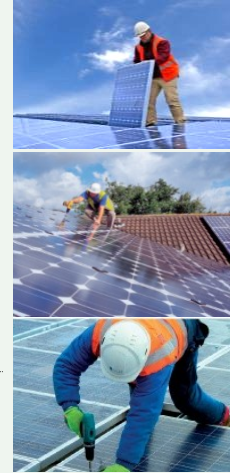
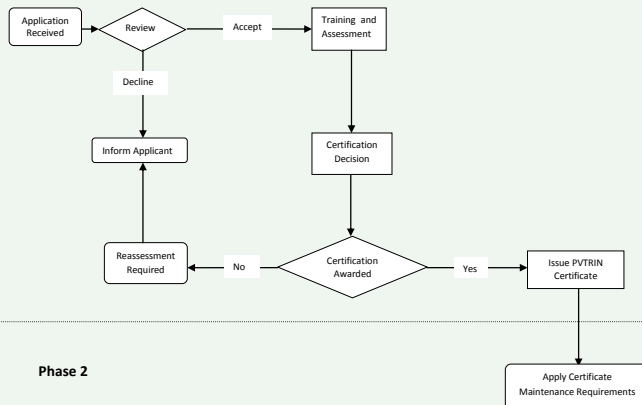
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## The PVTRIN Certification Process



### Phase 1



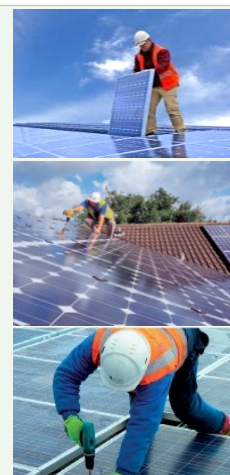
### Phase 2



## PVTRIN Certification Maintenance



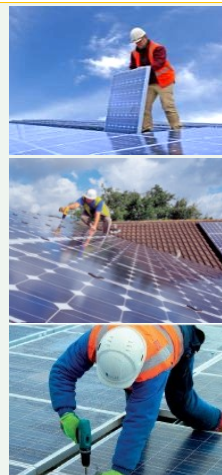
- **PVTRIN installer performance monitoring**
  - Installation activity
  - Attendance at refresher events
    - Further assessment
  - Type and number of complaints
  - Use of certification mark
- **Failure to meet maintenance requirements could result in suspension or withdrawal of an installer's certificate**
  - Certification may be resumed if issue is resolved to satisfaction of certificate issuer



## PVTRIN Documentation



- **Documented support**
  - **Guidance for assessors (D5.5)**
    - Written and Practical exam assessment forms (D5.7)
  - **Guidance for training providers and certification bodies (D5.6)**
- **Scheme widely disseminated throughout Europe**
  - National associations and EU stakeholders
  - Workshops, conferences and exhibitions
  - Broadcast media and peer reviewed journals
  - News and trade publications



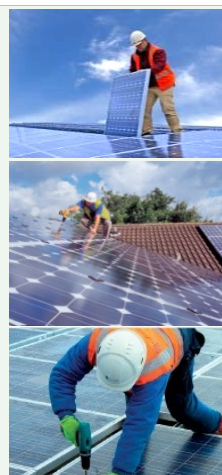
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## PVTRIN PV Market Support



- **PVTRIN offers different levels of support according to the market**
  - Key knowledge and skills defined and documented
  - A ready made solution where there is an incomplete framework for implementing 2009/28/EC
  - Actors identified
  - Training materials developed
  - Routes to accredited training and certification



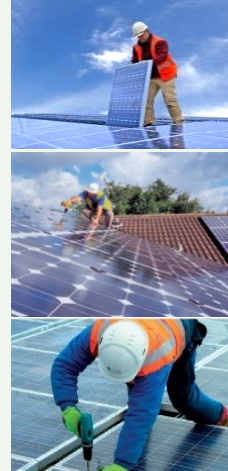
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## PVTRIN Stimulating the PV Industry



- **PVTRIN is creating new markets**
  - **New professional frameworks and certification schemes**
    - PVTRIN has developed a new specialisation
    - Brought together key actors to develop national schemes
  - **Creating jobs**



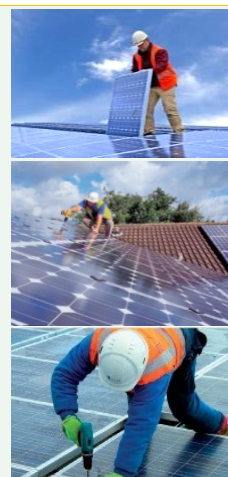
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## Summary



- **Certification required to grow and underpin reputation of industry**
  - Certificated installers must prove competence to install PV systems safely and correctly
- **PVTRIN scheme fulfils requirements of 2009/28/EC**
  - Accredited training/certification organisations
  - Defined and published requirements
  - Refresher training
- **PVTRIN is stimulating the PV Market**
  - New professions and jobs



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THANK YOU



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