

# The Microgeneration Certification Scheme and your business

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# Presentation outline

- Background
- What it is
- How it can benefit your business
- Tariffs
- Market opportunities

# Policy Framework

- EU 20% RE by 2020 & UK 15% RE by 2020
- Financial Incentives: FIT & RHI
- Regulation: Code for Sustainable Homes, Building Regulations
- Certification: MCS, CPS
- Public Awareness Campaigns & Training

# Energy Saving Trust activity

- 20 ESTac's across the country
- East of England
  - Norfolk, Suffolk & Cambridgeshire
  - Hertfordshire, Bedfordshire & Essex
- 11 Microgen Co-ordinators
  - Up skill the ESTac staff
  - Support the supply chain
  - Identify need and evaluate solutions

# Overview of the Microgeneration Certification Scheme (MCS)

# What is the MCS?

- Independent scheme
- Certificates microgeneration products and installers in accordance with consistent standards
- Greater confidence for consumers in deciding to install microgeneration technologies

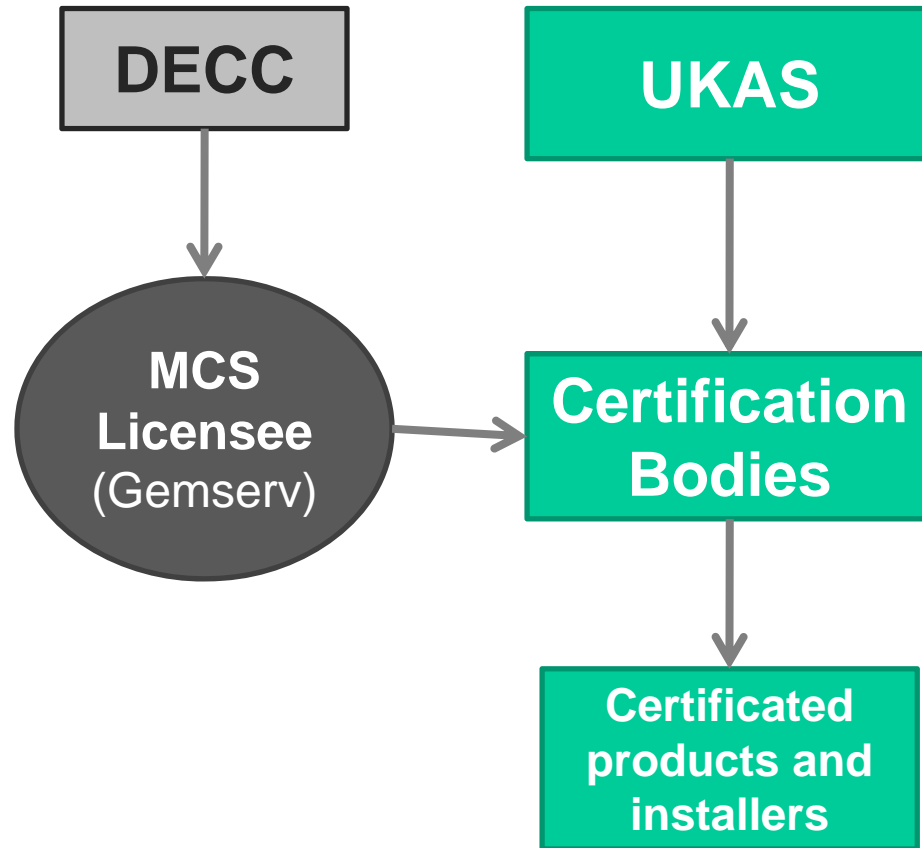
# What is covered?

Category	Technology
Electricity generating technologies	<ul style="list-style-type: none"><li>• Solar photovoltaics (PV)</li><li>• Micro-Wind</li><li>• Micro-Hydro</li></ul>
Heat generating technologies	<ul style="list-style-type: none"><li>• Solar thermal technologies</li><li>• Heat pumps (ground source &amp; air source)</li><li>• Biomass</li></ul>
Co-generating technologies (electricity and heat)	<ul style="list-style-type: none"><li>• Micro Combined Heat and Power (CHP)</li></ul>

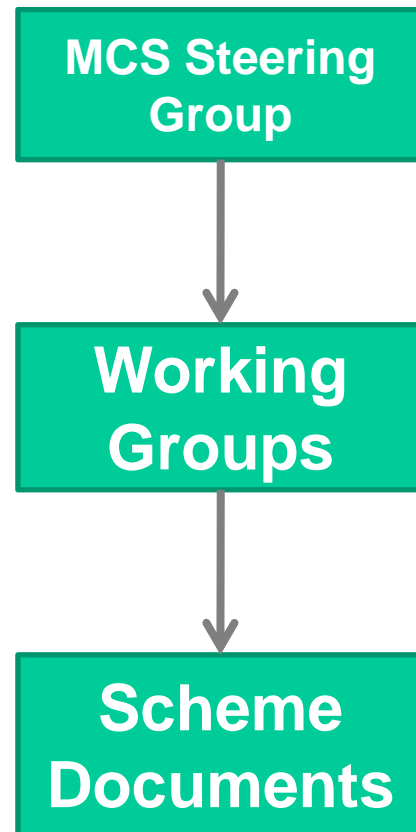
Up to 50kW electric, 45kW heat

# How the MCS works

# MCS Structure



# MCS Governance



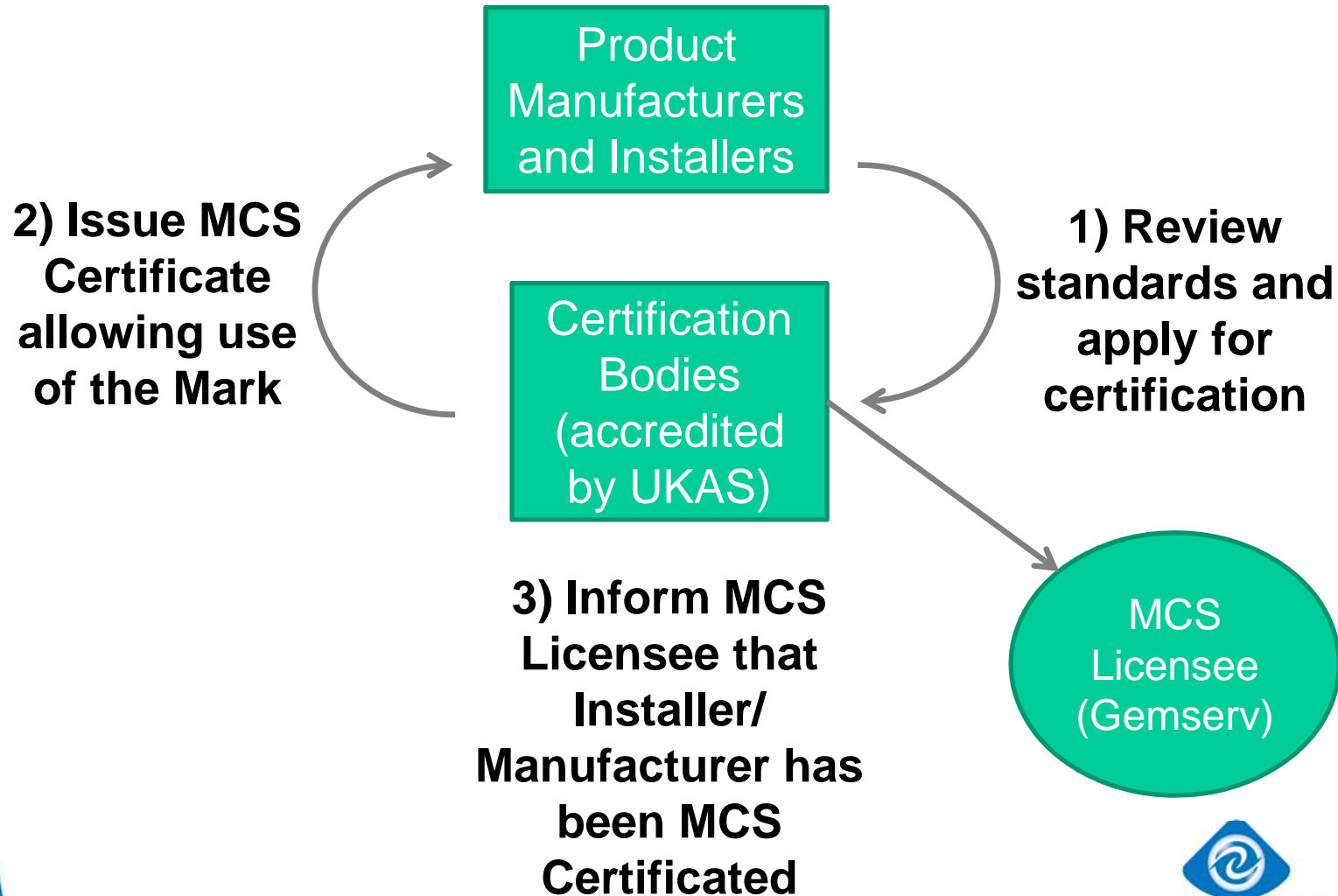
## Administered by Gemserv:

- Licences the Mark
- PR and promotions
- Meeting secretariat
- Website
- Data management
- Email & phone help desks

**Regulated and funded by the  
microgeneration sector**

# How to get involved

# Certification



# The MCS standards

- General installer standards:
  - Business processes
  - Quality, Health & Safety, Records, etc
  - Customer Care (REAL Assurance)
- Specific technology standards
  - Witness / assess an installation
- All available to download from the MCS website

# Certification Bodies

- Action Renewables (Installers in Northern Ireland)
- BABT (Products)
- BBA (Products)
- BSI (Products)
- **BRE (Installers and Products)**
- **CORGI (Installers)**
- **EC Certification / ELECSA (Installers)**
- **NAPIT (Installers)**
- **NICEIC (Installers and Products)**
- **HETAS (biomass Products and Installers only)**
- TUV NEL (wind Products only)

Details on the website

# What does it cost?

- Charges for installers are agreed by the Steering Group
  - £100 per year
  - £5 per installation
- Products are charged by technology on a sliding scale
  - £350 / £250 / £175 / £100
- Does not include Certification Body fees (£450 upwards) or REAL Assurance charges (£105)

# A Mark of Quality



# A Certification Body perspective

# Route to Registration

1. Application
2. Appointment
3. Assessment
4. Approval

# Assessment Visit

- Half Day
  - Quality Management System Requirements
  - Technical Reference Documents
  - Record of complaints
  - Training Certificates
  - Public Liability
- Half Day
  - Two jobs

# Market Opportunities in the East of England

# Off gas potential

- EofE average 20% off gas
  - 30% in Norfolk, Suffolk, Cambs
  - 13% in Herts, Beds, Essex
- From 27,720 HEC's = 30% off gas
  - 50% in Norfolk, Suffolk, Cambs
  - 19% in Herts, Beds, Essex

# Market Potential

- 850,000 households in the region
- 124 renewable energy calls per week
- Call Centre pro-active calling from HEC's
- Off gas projects – 170,000 households
- More MCS certificated companies
- Business diversification

# Supply Chain insight - 142

Solar Thermal	96
Solar Photo Voltaic	20
Wind	11
Biomass	1
Hydro	1
Air SH	21
Water SH	4
Other technologies	0
STA members	31
MCS certificated	36

250%

# Benefits

- Increased business
  - Installations under MCS mean customers can access energy supplier payments
    - Feed In Tariff (FIT)
    - Proposed Renewable Heat Incentive (RHI)
  - Promotion, including listing on MCS website
- Greater consumer protection
- Over 600 of your competitors have already been certificated

# Tariff payments table

Energy Source	Scale	Generation Tariff (p/kWh)	Duration (Years)
Micro -CHP	>2kW	10.0	10
Solar PV	>4kW new	36.1	25
Solar PV	>4kW retrofit	41.3	25
Solar PV	>4-10kW	36.1	25
Solar PV	>10-100kW	31.4	25
Solar PV	>100kW-5MW	29.3	25
Solar PV	Standalone	29.3	25
Wind	>1.5kW	34.5	20
Wind	>1.5-15kW	26.7	20
Wind	>15-100kW	24.1	20
Wind	>100-500kW	18.8	20
Wind	>500kW-1.5MW	9.4	20
Wind	>1.5MW-5MW	4.5	20

Technology	Scale	Tariffs (pence/kWh	Tariff lifetime (Years)
	small	installations	
Solid Biomass	Up to 45kW	9	15
Biodiesel	Up to 45kW	6.5	15
Bio gas	Up to 45kW	5.5	10
Ground source heat pumps	Up to 45kW	7	23
Air source heat pumps	Up to 45kW	7.5	18
Solar thermal	Up to 45kW	18	20
	Medium	Installations	
Solid biomass	45kW-500kw	6.5	15
biogas	45kW-500kW	5.5	10
Ground source heat pumps	45kW-500kW	5.5	20
Air source heat pumps	45kW-500kW	2	20
Solar thermal	45kW-500kW	17	20
	Large	Installations	
Solid biomass	500kW and above	1.6-2.5	15
Ground source heat pumps	350kW and above	1.5	20
Biomethane injection		4	15

# E-supply chain survey

**We want to hear from you...**

The Energy Saving Trust are formulating their plans for microgeneration support in the East of England and believe strongly that significant benefit can be gained by working in conjunction with you, the regional supply chain.

If you are a professional within the renewable energy industry and want to be part of the Energy Saving Trust's work with residents in the East of England please login below and tell us about your business. The information you provide will remain confidential. It will help Energy Saving Trust map businesses in the region and identify the support they need.

**To begin, please log in below...**

**Login here to begin**  
You should have been provided with login details from a recent e-mail sent out by us. If you do not have these details please fill in the form on the right hand side.

Username

Password

**Forgotton details?**

Your Name

Your E-mail address

Business Name

Contact Telephone No.

- Location(s)
- Technologies
- Certifications
- Affiliations
- Capacity
- Collaboration
- Engagement
  
- Database



# What to do next

- Review MCS Standards
- Approach Certification Body and get certificated
- Install MCS certificated products
- Register them so the customers can receive financial incentives (FIT and proposed RHI)

Thanks

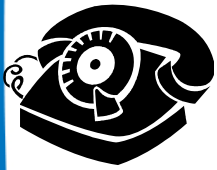
Questions?



[www.microgenerationcertification.org](http://www.microgenerationcertification.org)



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Presentation

[www.est-microgen.org.uk](http://www.est-microgen.org.uk)



The Certification Mark for Onsite  
Sustainable Energy Technologies

