



**Ministry of Power and Renewable Energy  
Sri Lanka Sustainable Energy Authority**



**Creating  
Employment in  
Rooftop Solar PV  
Market through  
Recent Policy  
Interventions  
in Sri Lanka**

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# Recent Sri Lankan Policy Interventions

Sri Lanka is the second Asian country to introduce net metering



- Recently implemented two additional schemes by 'Battle for Solar Energy' programme
  - enabled consumers to sell electricity generated through rooftop systems to the grid.
  - effort to capture the missing market segment of 97% consumers into 'prosumers'



# Choice is yours...

- Net Metering
  - Energy to energy cancellation, no payment involved
- Net Accounting
  - Reduced bill due to own use of solar electricity; if excess - exported and paid\*
- Micro Power Producer
  - No relationship to electricity connection, total solar electricity exported and paid\*



\*in 1<sup>st</sup> seven years, \$ 0.15/kWh and  
\$ 0.105/kWh in the next thirteen year



# Specialty of the Programme

- Opportunity to engage a larger fraction of community in energy generation sector
- Diversified options available for consumers
- Contribution to speeding up the national clean energy target



# Changes in the Market Forces

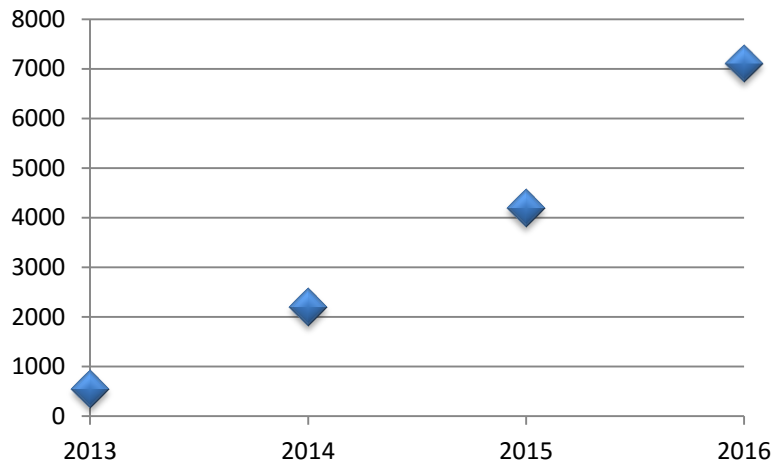
- Rapid growth the industry
  - Widespread public attraction leading to new consumer base
  - Emerging lucrative business opportunities for technology supplier and service providers
    - service provider companies increased from 100 to 270
  - Created 3,600 direct and 1,500 indirect jobs so far
  - Opportunity for local expertise and technology know-how



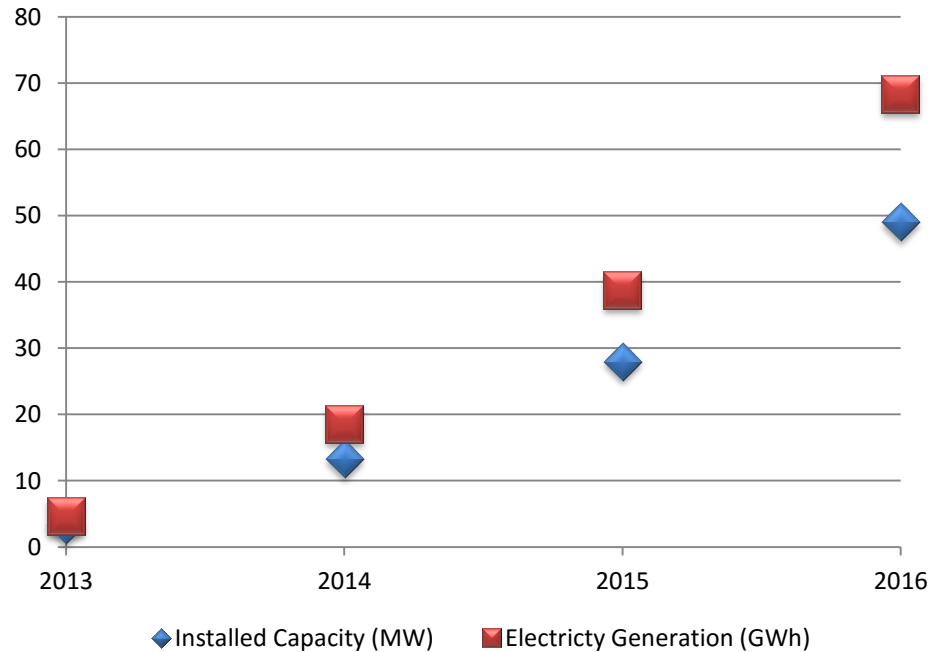


# Trends of Solar PV Generation

No. of systems



Installed Capacity (MW) and Electricity Generation (GWh)



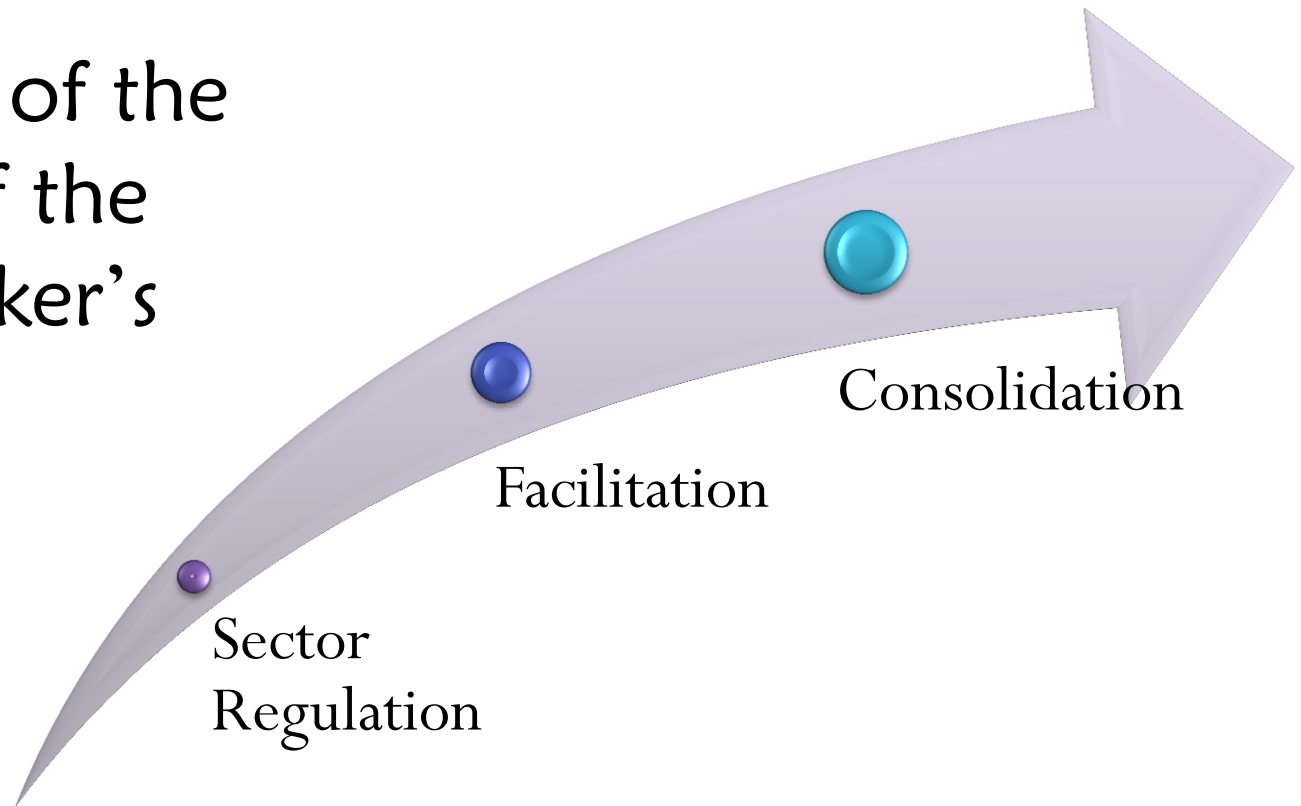
# Expansion of the Labour Force

- Expansion of human resource requirement
- Positive response from the professional/tertiary education sectors
- Recruitment and mobilisation of Engineers, technicians, marketing & IT professionals, etc.
- Trainings from international technology suppliers (in-house and Continual Professional Development Programmes)
- Wider resource base – e.g. retired professionals, fresh graduates to unskilled youth



# Change of Role

- Evolution of the priority of the policy maker's role





# New Responsibility

- Ensure safe and quality service delivery to the public
- Standardisation and Certification
- Reduce overall power generation cost
- Create awareness in general public
- Information management (government, utility, consumer, service provider, R&D)
- Ranking system for service providers



# New Responsibility

- Develop human resources towards similar opportunities in emerging local and global markets
  - Modeling, design, installation, repair and maintenance
  - Developing skilled craftsmen, especially in cable installation
  - System optimization and innovation
  - Knowledge generation, application and transfer



# Acknowledgements to the organizers of ACEF 2017...

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