

Innovation

Abdullah Al-Zakwani, 2013

Renewable Energy:
Impact to Society and
industry



Introduction



SMEs are to lay the foundation which will eventually support job creation, human capability building and establishing industries to support the Oman growth

1890s

Tesla (alternate) v Edison (direct)

The beneficiary was JP Morgan



3Ws – What, Where, When



■ What

- Create jobs, promote enterprise development and accelerate the transfer of skills and technologies.

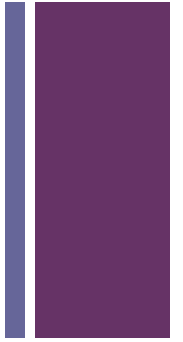
■ Where

- When the society is at growth
- Profiting Industries

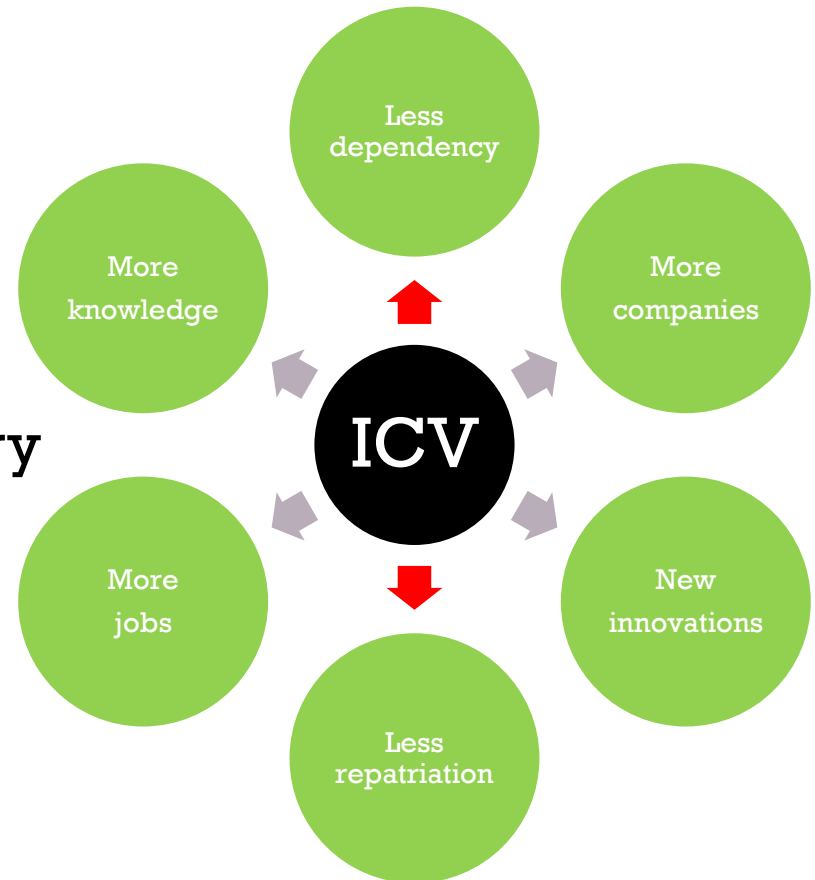
■ When

- Knowledgeable and able
- Job creation is at critical importance

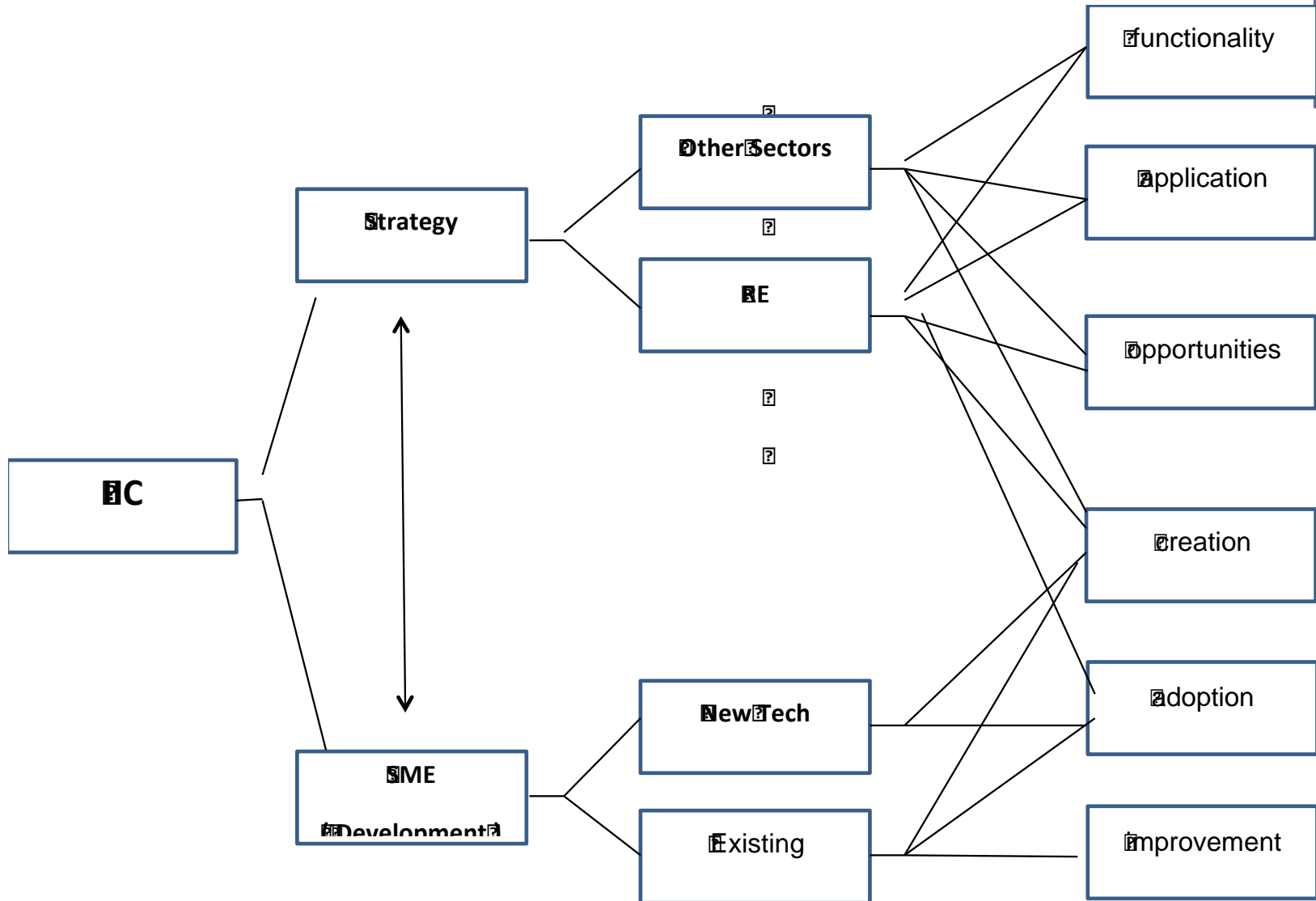
+ Taking advantage of ICV for Introduction of RE in Oman



- ICV is to:
 - Keep the wealth in the country (money and knowledge)
 - Create better wealth distribution in the country



+ IIC and RE

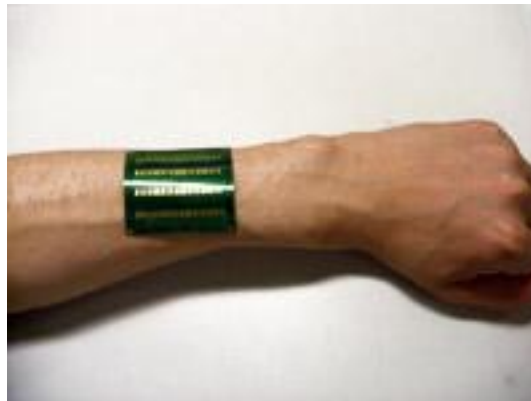
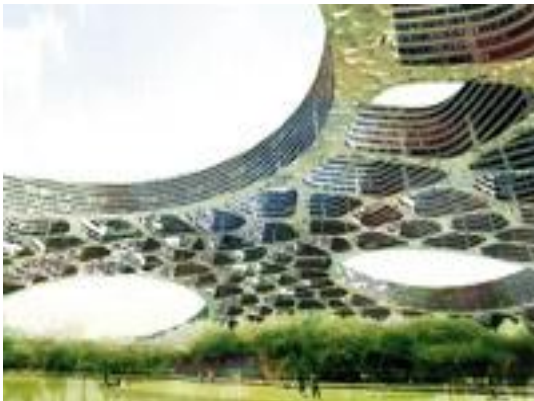




Example of Innovations and SME



- Economical Solar Panels to Yield More Energy and Innovative Architectural Solution
- Artificial Electronic Super Skin – Powered by Stretchable Solar Cells
- PowerMod: dependable portable energy sources



+ Challenges

- ❑ Changing what we have now! With two critical problems:
 - ❑ Dismissing/Neglecting what we already have (experience is king)
 - ❑ Rush towards a solution without understanding the previous failures
- Study a problem in one dimension
 - E.g. kWh price (subsidies on fossil fuel, generation and distribution)



Conclusion



- We need to focus on transforming today's oil wealth into a broader framework:
 - Conserve our environment
 - Create new channels for wealth creation
 - Investing in our people - particularly our youth - with a focus on technical skills, training and creating technical professionals who are qualified and capable of working both here and abroad
 - Consider trial and error (to some extent)
- Implement renewable energy TODAY! And make sure apart for environmental and social impact there is added value (or impact to surrounding industries)



He who learns but does not think is lost;
he who thinks but does not learn is in *great danger*!

Confucius

THANK YOU