

# Electricity from Light

## Crooked Power

Presentation by Robert Chris

# Crooke's Radiometer



# Crooke's Radiometer

- Vanes with opposite faces white and black spin when suspended in a partial vacuum and exposed to light



# Crooked Power

## The Concept

- Spinning vane constructed as a miniature turbine to generate electricity
- Multiple units connected in panels
- Multiple panels connected in series



# Crooked Power

- Low tech
- Easily mass produced in vast volumes
- Constructed from cheap and abundant materials
- Scalable for large and small applications
- Minimal maintenance – suitable for all types of environments including remote and inhospitable ones



# Crooked Power - Challenges

- Power generation very small for each vane - large numbers need to be linked
- Development of ultra-low friction bearings for the vanes to maximise efficiency
- Panels fitted to pitched roofs require a system of suspension which maintains the vane vertical
- Vanes small and delicate and although protected inside a sealed partial vacuum, require additional protection from shocks during transport and installation



# Crooked Power

## The Opportunity

- Insatiable global market in both developed and developing countries
- Ultimate renewable energy source



# Crooked Power

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