



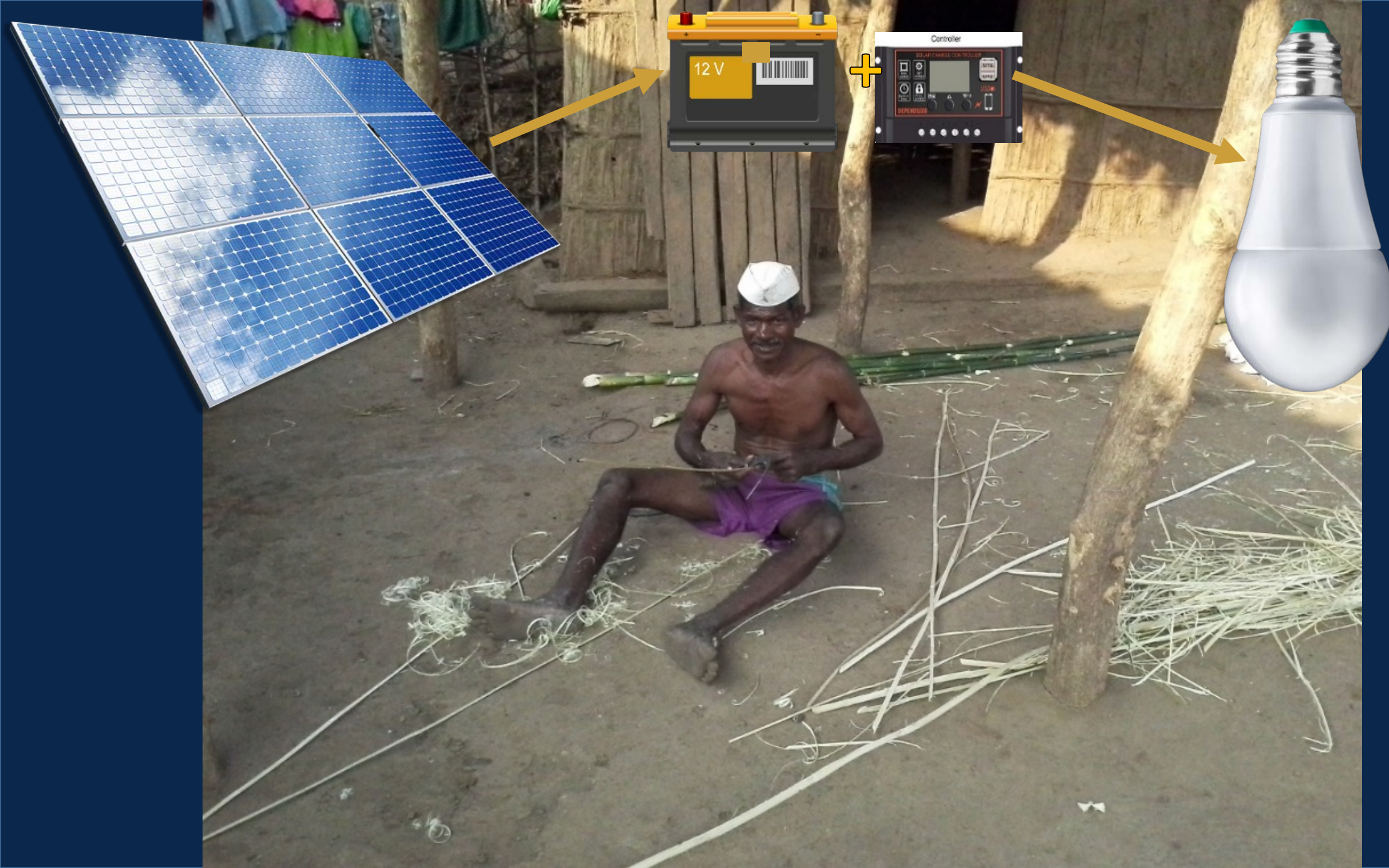
Sustainable Development Goals and work of the IEC

Recommendations of SMB Adhoc Group 84 & SyC LVDC Update

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Chair, SyC LVDC
Member, SMB (2015~2020)

Workshop for Industrializing Countries
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Evolution of Electricity

AC and DC coexist

Coal, oil, wood fuel

Novelty, elitist

1890s~1930s

Environment & energy efficiency; **non-issues**

Technologies: AC, DC innovation, electric light bulb



AC dominates

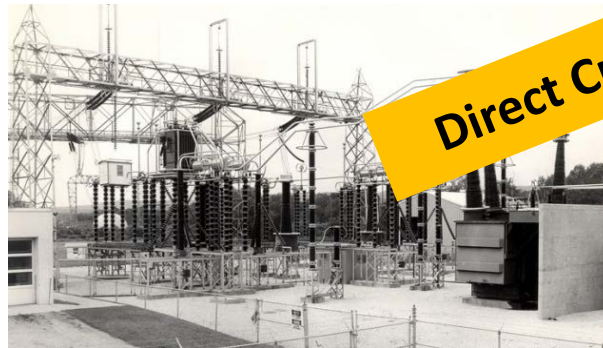
Coal, oil, nuclear fuel

Mainstream, important

1950s~1980s

Environment & energy efficiency; **non-issues**

Technologies: AC systems, high power loads, Electric motors



AC challenged

Coal, oil, gas, wood, hydro, **Solar**

Essential necessity

2000s~~

Environment & energy efficiency; **Global agenda**

Technologies: **Electronics, solar PV, batteries, LED lighting, Smart...**



Direct Current





SDG7 – Targets and Indicators

- Total 5 indicators
- Comprehensive work on voluntarily disclosing achievements on an annual basis,
- [Progress reports](#) published by UNDP



SDG 7 Targets	SDG 7 Indicators
7.1 By 2030, ensure universal access to affordable, reliable and modern energy services	7.1.1 Proportion of population with access to electricity 7.1.2 Proportion of population with primary reliance on clean fuels and technology
7.2 By 2030, increase substantially the share of renewable energy in the global energy mix	7.2.1 Renewable energy share in the total final energy consumption
7.3 By 2030, double the global rate of improvement in energy efficiency	7.3.1 Energy intensity measured in terms of primary energy and GDP
7.A By 2030, enhance international cooperation to facilitate access to clean energy research and technology, including renewable energy, energy efficiency and advanced and cleaner fossil-fuel technology, and promote investment in energy infrastructure and clean energy technology	7.A.1 Mobilized amount of United States dollars per year starting in 2020 accountable towards the \$100 billion commitment
7.B By 2030, expand infrastructure and upgrade technology for supplying modern and sustainable energy services for all in developing countries, in particular least developed countries, small island developing States, and land-locked developing countries, in accordance with their respective programmes of support	7.B.1 Investments in energy efficiency as a percentage of GDP and the amount of foreign direct investment in financial transfer for infrastructure and technology to sustainable development services

AhG 84: Sustainable Development Goals

Scope:

- Educate, inform and motivate IEC community
- Explore combining conformity assessment schemes with standards for SDGs
- Explore ways for TCs to include reference to SDGs in their work/reports

Membership:

- CAB and MSB leadership
- IEC CO
- Young Professionals' Leadership
- Members from: CA, CN, ES, FR, GB, IN, JP, KR, SE, US

SMB Supports SDGs through creation of Vision, communication and training

1. **Align** IEC **standardization** work to reflect significance of sustainability,
 - Review/revise IEC templates
2. Assist **create** an IEC-wide **vision** for SDGs,
3. **Guide** development of **Communication** Plan on SDGs for internal and external
4. **Guide** development of **training** content for internal stakeholders

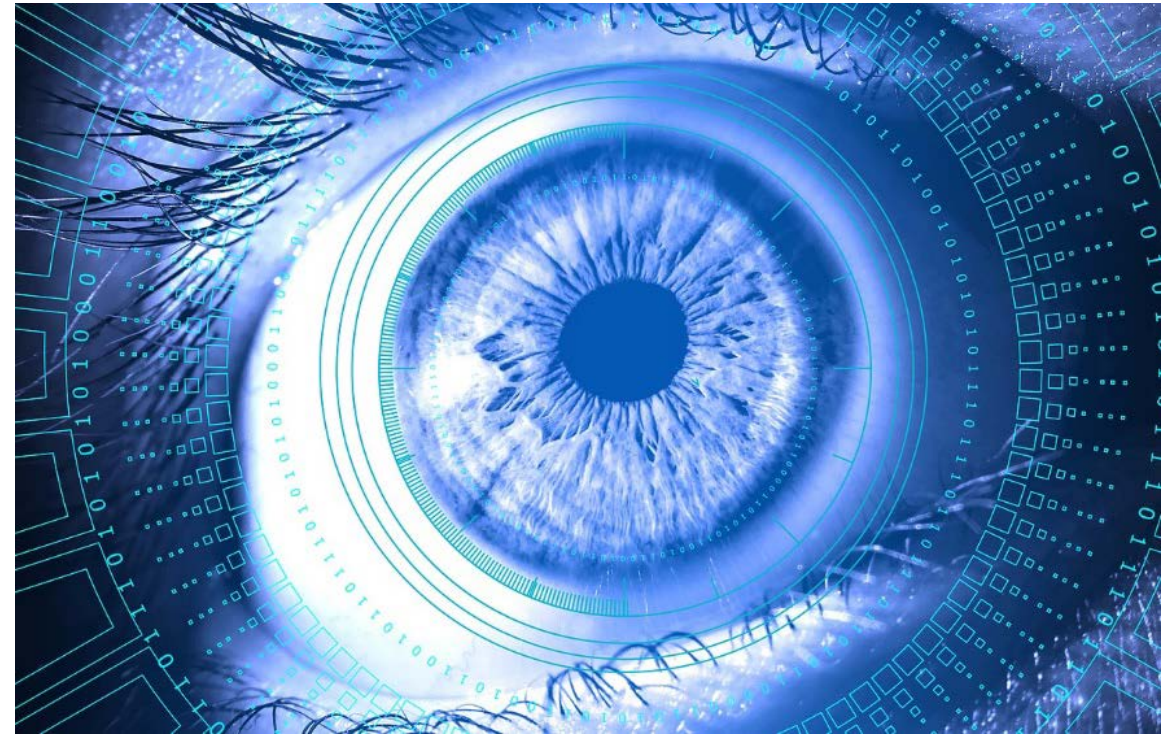


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Templates revision

- ahG84 has '*in-principle*' SMB approval to review/revise IEC templates,
- Changes to templates to be well thought through, following IEC procedures, directives and validation processes,
- **Objective**; Encourage IEC community to understand, absorb and champion SDGs through its work,
- IEC CO and ahG84 to prepare communication plan and training modules to assist, guide and hand-hold IEC community in adoption of SDGs in respective work programs,

Between now and June 2020, ahG84 to;

- Assist develop a shared vision with various IEC boards,
- Guide changes to various IEC templates to reflect focus on SDGs,
- Guide IEC CO in developing ;
 - communications plan for external and internal stakeholders,
 - processes and systems for collecting information on SDGs related progress in IEC community,
 - SDG content for IEC Academy,
 - processes to monitor the impact of SDG related communication
- Consider budget and resource allocation for activities related to SDGs

For more info

- IEC LVDC Zone (www.iec.ch/LVDC)
- IEC SDG Zone (www.iec.ch/SDG)
- IEC LVDC [LinkedIn Group](#)
- The [LVDC Technology Paper](#):
LVDC: electricity for the 21st century
- LVDC Videos
 - TEDx Talk on LVDC <https://goo.gl/HjXTuN>
 - UN SDG7 Video <https://goo.gl/s6VEvz>





Cote d'Ivoire



China



Rwanda



Indonesia



Brazil



Kenya



Indonesia



Taking responsibility today...
...for a sustainable tomorrow



Image adapted from <https://www.flickr.com/photos/jfgallery/>