



The Association of Ghana Industries' Energy Service Centre

Energy Efficiency Network Launch

Holiday Inn Accra Airport Hotel

Thursday, 28 September 2023



AGI
ENERGY
SERVICE CENTRE



AGI
Association of
Ghana Industries



Implemented by:

giz Deutsche Gesellschaft
für Internationale
Zusammenarbeit (GIZ) GmbH

Bärbel Freyer
Chief Technical Officer
AGI Energy Service Centre

The AGI Energy Service Centre (AGI-ESC)

Energy Service Centre

Knowledge transfer
& public education

General energy
consultation

Technical
Advisory

Assistance throughout
Project implementation

Financial
advisory

Honest & independent broker

- Platform for orientation, news and technical information
- Providing research services on renewable energy (RE)/energy efficiency (EE)
- Seminars and workshops
- On-site energy audit of facilities
- Assistance for development of business strategies and project implementation
- Advise customers on financing options
- Connect to financial institutions

The AGI-ESC's services



Offering a pool of experienced experts

Specific services for commercial & industrial (C&I) electricity consumers:

- Independent solar feasibility studies
- Independent energy audits
- In house training for commercial & industrial staff in Energy Management Systems (EnMS)
- Provision of advisory support on RE/EE investment options
- Second opinions, transaction advisory services, owner's engineering services

Training for RE/EE service companies:

- Hands-on energy efficiency audit
- Best practices in the installation and maintenance of solar PV
- Business development

- Market analysis on RE and EE in Ghana

- Advocate for the adoption of RE/EE in Ghana and more

What our services have translated to

Training of energy service providers



350 individuals from
service providers

have been trained in delivering quality renewable energy and energy efficiency services

Training of C&I companies



236 individuals from
132 C&I companies

have been trained on how to invest in renewable energy and energy efficiency measures.



Start with Optimization of Energy Use



Undertaking energy efficiency practices such as energy audits and implementing energy management systems to optimize operations, decrease energy demand and subsequently energy expenditure.

Additional training of staff to undertake these energy efficiency practices in-house would ensure continuity of efficient practices.

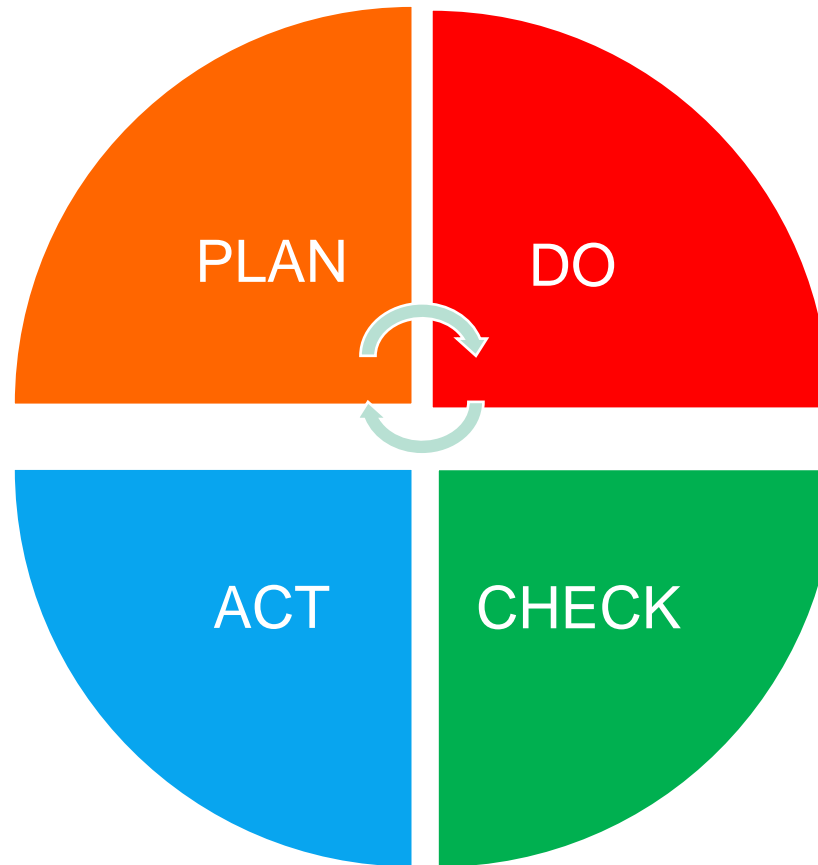


Possible Energy Savings from Energy Audit recommendations



Introduce ISO 50001:2018 Energy Management System to further Optimize your Energy Consumption

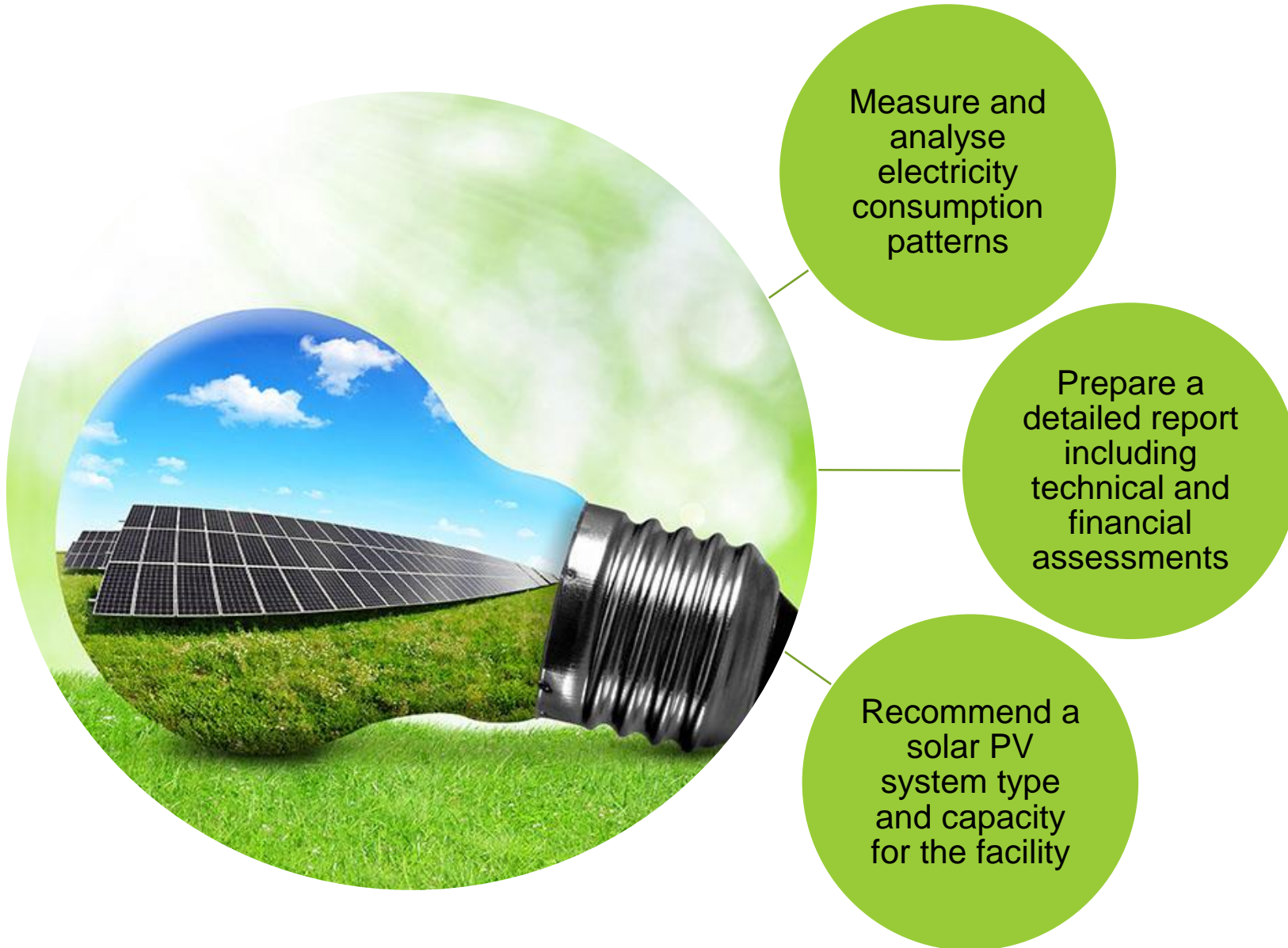
- Energy review
- Definition of
 - Energy policy
 - Energy baseline
 - Energy performance Ind.
 - Strategic and operative targets
 - Action plans
- Ensure the continuous Improvement of the EnMS
 - Management review
 - Decisions (i.e. action plans)
 - Target adjustments
 - Policy adjustments



- Implementation of action plans and optimization processes
- Implementation of measurement & monitoring
- Create documentation
- Check processes and significant energy use (Internal audit)
- Review EnMS components
 - Energy Policy
 - Targets
 - Documentation



Solar PV Feasibility & Transaction Advisory



Benefits of RE/EE

- ❖ Decrease your production costs
- ❖ Increase your competitiveness
- ❖ Improve your carbon footprint
- ❖ Make your business sustainable
- ❖ Profit from carbon trading





AGI Energy Service Centre

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AGI Energy Service Centre



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Thank you