GIZ Webinar Presentation/Demo outline

Energy Efficient Lighting App

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Introduction to the App

- We will demonstrate the following:
  - How to login to the App
  - The main dashboard layout and relevant information it contains
  - Overview of the menu and help section
  - Look at the lights contained in the database and how to add new lights
  - Look at lighting technologies, fitting and base types and the possibility to customise and add additional technologies and types
  - Explain the difference in lumen rating of old technologies as compared to LED.
  - Look at recycling and how it affects the financial performances
  - A look at region and tariff input to the app.

Sample use case

- Select a location in Pretoria for a use case
  - Create a municipality office building site
  - Select applicable tariff for the site
  - Add a baseline for the site
- The site baseline will include offices and outside lightings
  - Operational time for office and outside lights are to be set
  - Selection of the existing light and proposed replacement LED light for each light type

Sample use case: Office Lights

- Two type of lights are installed in the offices
    - Fluorescent Tube T8 4ft rated at 36 W → LED T8 4ft rated at 14W
    - Incandescent Light GLS E27 60W → LED GLS E27 rated at 7W
- Demonstrate additional recommended lights and selection criterial used by the app.
- Overview of the demand, energy and cost reduction of the proposed retrofit
- Discuss the summary financial performance of the project including cost of recycling

Sample use case: Outside Lights

- One type of lights is installed outside
  - HPS streetlight rated at 250 W → LED streetlight rated at 130W

- Demonstrate additional recommended lights and selection criterial used by the app.

- Overview of the demand, energy and cost reduction of the proposed retrofit

- Discuss the summary financial performance of the project including cost of recycling

Sample use case: Conclusion

- Demonstrate the custom payback calculations with inclusion of additional costs

- Download report in excel or PDF format