



OPENENERGY

Douglas Gomes da Silva¹ Felipe Rodrigues Sousa² Gustavo Garcia Neres³ João Paulo Estevão⁴ Ricardo Fonseca⁵ Talles Santos⁶

OpenEnergy is a versatile software designed to provide users with essential information about clean and sustainable energy sources. Its primary features include calculating electricity costs based on average consumption, offering a detailed comparison between conventional and sustainable energy sources, and providing personalized recommendations from trusted solar panel installation companies. OpenEnergy's mission is to promote clean energy awareness, facilitate financial decision-making, and guide users towards reliable sustainable solutions. The software development process follows a structured methodology, specifically Scrum, known for its agility and adaptability. It involves iterative and incremental work cycles, enabling continuous value delivery, effective communication, and transparency in project progress. There is a growing demand for clean and sustainable energy information and solutions. Users increasingly seek to understand the environmental and economic advantages of renewable energy sources. OpenEnergy aims to expand its information database, incorporating emerging technologies and innovations in the clean energy sector to provide users with up-to-date and relevant data. Users want to make informed decisions about energy sources, considering both financial and environmental implications. OpenEnergy plans to enhance its functionality by adding metrics like carbon footprint and potential greenhouse gas emissions savings to enable users to make more comprehensive comparisons between conventional and clean energy options. In summary, OpenEnergy is a comprehensive software solution that empowers users to make informed choices regarding clean and sustainable energy sources. It utilizes the Scrum methodology to ensure flexibility, collaboration, and transparency throughout its development process. The software's continuous improvement aims to meet the growing demand for information on renewable energy sources and enhance user decision-making capabilities.

Keywords: Energy; Software; Energy; Sustainable.

⁶ Docente, UniEVANGÉLICA

Universidade Evangélica de Goiás

CIPEEX – Congresso Internacional de Pesquisa, Ensino e Extensão v.4 (2023) - ISSN: 2596-1578

¹ Discente, UniEVANGÉLICA, douglasgomesdasilvasantos@gmail.com

² Discente, UniEVANGÉLICA, filpstr2004@gmail.com

³ Discente, UniEVANGÉLICA, gustavoneres0207@gmail.com

⁴ Discente, UniEVANGÉLICA, joaopaulo7pant@gmail.com

⁵ Discente, UniEVANGÉLICA, ricardofsdomene@icloud.com