

Energy Insight Hub

User Manual

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Introduction

Welcome to the Energy Insight Hub user manual! This manual provides guidance on installing and using the web app, which serves as a proof of concept for an energy meter reader. The web app showcases the technology involved in transmitting images of a meter, extracting readings from the images, and displaying the data in a live dashboard.

System Requirements

Operating System: Windows (only supported platform)

Software: Python, pip

Web Browser: Firefox, Chrome (recommended)

Installation Instructions

Step 1: Install Python

1. Download and install the latest version of Python for Windows from [Python Downloads](#).
2. Run the downloaded installer.

Usage Instructions

1. To start using the web app, run the EnergyInsightHub.exe file and note the address hosting the web app.
2. Open a web browser and navigate to the hosting address.
3. Click the “Start Transmission” button to simulate the transmission of data.
4. If needed, click the “Reset” button to reset the database to default values.

Troubleshooting

If you encounter any issues during installation or usage

- Ensure that Python and pip are installed correctly.
- Check that the required Python libraries (opencv-python, imageio, pytesseract, watchdog) are installed.
- If Tesseract is not in the default location, edit the .py script to specify its location.