



REICAL: Renewable Energy Investment Calculator

Top Investment Strategic Planning Software

Towards Green Sustainable Energy

www.reical.uk

REICAL is a Renewable Energy Investment Calculator developed by **Experts for Integrated Solutions Ltd. Co.** for analyzing the economic feasibility of various types and capacities of renewable energy (RE) systems, such as: solar energy, wind energy, hydropower, biomass energy, biofuel energy, tidal energy, geothermal energy, kinetic energy, osmotic energy, waste-to-energy, hydrogen energy, etc. **REICAL** can be used to analyse the economic feasibility of conventional energy systems that use fossil fuel (oil or gas).

REICAL can be used to analyse the economic feasibility of the investment considering a number of technical, financing, and administrative parameters. These parameters include:

Technical Input Data

- Type of Energy System
- Generation capacity
- Total system cost
- Annual O&M
- O&M increment
- O&M increment model
- Operation period
- Energy yield
- Performance efficiency
- Performance degradation
- Energy tariff
- Annual tariff increment
- Annual tariff increment model

Financing Input Data

- Equity
- Debt (Loan)
- Loan duration
- Interest rate
- Instalment type
- Interest schedule
- Instalment schedule

Administration Input Data

- Administration (%)
- Insurance (%)
- Depreciation (%)
- Inflation (%)

REICAL calculates a number of technical parameters, loan parameters, and investment indices; these are:

Technical Output Data

- First year production
- Total production
- Performance ratio
- First year revenue
- Total project revenue
- First year net revenue
- Total net revenue
- First year O&M cost
- Total O&M cost
- First year administration cost
- Total administration cost
- First year insurance cost
- Total insurance cost
- First year tariff

Loan Output Data

- Loan
- Loan repayment
- Total interest
- Instalment (Fixed Instalment)
- Instalment (Fixed Principal)

Investment Indices

- Equity (E)
- Net Present Value (NPV)
- Internal Rate of Return (IRR)
- Return on Investment (RoI)
- Profitability Index (PI)
- Payback Period (PP)

- The annual energy production, energy tariff, total revenue, O&M cost, loan instalment, insurance cost, administration cost, and net revenue are shown in tables and graphs.
- The loan amortization table including loan present amount, instalment, principal, and balance are shown in tables and graphs. All input & output data can be printed or saved in PDF file format.

Who can benefit from REICAL?

- Public and private companies
- Consultants
- Universities and academic institutions for soft teaching
- Professional training centers
- Academicians and researchers
- Top level decision makers
- Government & local authorities
- RE technology developers
- Individuals

How to use REICAL?

To use REICAL, you must Register, Verify your Email Address, Subscribe, Download REICAL, Install, Sign in, and Run:

- **Register.** You must first register as a REICAL user. To register:
 - Visit REICAL website and click Register.
 - Fill in the REICAL Registration Form and click the Register button. Use an Email Address that is valid and accessible.
 - Login to your Email and verify it.
- **Subscribe.** To use REICAL you must subscribe and always maintain a valid subscription. To subscribe:
 - Visit REICAL website and click Subscribe.
 - Fill in REICAL Subscription Form and follow the online instructions for the online payment.
- **Download, Install, Sign-in, and Run.** Visit REICAL website, download, install, sign-in, and run REICAL. These are straightforward standard procedures.

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If you subscribe for N devices, then you can download and install REICAL on N devices and access the Web Version of REICAL on N Web browsers using the same Username and Password. Run the cloud or web-based version by clicking on [Web-Based REICAL](#).

REICAL Features

- Easy to install and run.
- Minimum system requirement.
- Run complex scenario instantly.
- All updates are downloaded & installed automatically & freely.
- Provide tabular and graphical representation of the output data that can be printed or saved using PDF file format.

Reduced Annual Subscription Fees Now

Get a Promocode for Extra Discount

For further updates and information, please visit our website www.reical.uk or contact us on support@reical.uk