SCALING UP RENEWABLE ENERGY INVESTMENTS

SE4All Annual Workshop
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Online portal

http://www.irena.org/marketplace
Matchmaking / search engine

Sustainable Energy Marketplace

35
Number of projects in the marketplace

251.26 MW
Combined capacity of projects in the marketplace (power generation projects only)

0.68 bn US$
Total investment need

THE SUSTAINABLE ENERGY MARKETPLACE: a new horizon

As part of IRENA’s objective to sustain and facilitate the spread of renewable energy technologies, IRENA has implemented a virtual...
Matchmaking / search engine

<table>
<thead>
<tr>
<th>Project technologies</th>
<th>Country</th>
<th>Project status</th>
<th>Project ownership</th>
</tr>
</thead>
<tbody>
<tr>
<td>Solar - PV - rooftop/building</td>
<td>Ghana (2)</td>
<td>Feasibility (5)</td>
<td>Private (5)</td>
</tr>
<tr>
<td>Integrated/distributed (4)</td>
<td>Morocco (1)</td>
<td>Financing (3)</td>
<td>Private Public Partnership (1)</td>
</tr>
<tr>
<td>Solar - PV - utility scale (2)</td>
<td>Nigeria (2)</td>
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<tr>
<td></td>
<td>Uganda (1)</td>
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<tr>
<td>Grid connection</td>
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<tr>
<td>Grid connected (24)</td>
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<td></td>
<td></td>
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<tr>
<td>Mini-grid (2)</td>
<td></td>
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</tr>
<tr>
<td>Organization name</td>
<td></td>
<td></td>
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<tr>
<td>Access Infra Africa Limited (1)</td>
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<tr>
<td>EME West Africa (1)</td>
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<tr>
<td>GVE Projects Ltd. (1)</td>
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<td>Ghana Capital Partners (1)</td>
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<td>ICIME (1)</td>
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<tr>
<td>Solar Breeder Morocco</td>
<td></td>
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</tbody>
</table>

<table>
<thead>
<tr>
<th>Expected start of construction</th>
<th>Expected start of operation</th>
</tr>
</thead>
<tbody>
<tr>
<td>2021</td>
<td>2021</td>
</tr>
</tbody>
</table>

**Projects Search**

- Search: [Search Input]
- Clear: [Clear Button]
## Matchmaking / search engine

### Sustainable Energy Marketplace

<table>
<thead>
<tr>
<th>PROJECT NAME</th>
<th>ORGANIZATION NAME</th>
<th>PROJECT TECHNOLOGIES</th>
<th>COUNTRY</th>
<th>CAPACITY</th>
<th>TOTAL INVESTMENT (MILLIONS USD)</th>
<th>STATUS OF PROJECT</th>
<th>EXPECTED START OF CONSTRUCTION</th>
<th>EXPECTED START OF OPERATION</th>
</tr>
</thead>
<tbody>
<tr>
<td>Decentralised Solar PV project for Self</td>
<td>EME West Africa</td>
<td>Solar - PV - rooftop/building</td>
<td>Ghana</td>
<td>20</td>
<td>36.4</td>
<td>Feasibility</td>
<td>6/1/2016</td>
<td>6/1/2017</td>
</tr>
</tbody>
</table>

6 results
Matchmaking / search engine

Ghana Capital Partners
28MW solar PV in Senya Beraku, Ghana
Ghana - Solar - PV - utility scale

**Capacity:**
28 MW electricity

**Investment (Millions USD):**
$56.00

**Annual Generation:**
42,000 MWh electricity

**Grid Connection:**
GRID CONNECTED

**Project Ownership:**
PRIVATE

**Land Acquisition:**
FINALIZED

**Permits:**
IN PROCESS, FINAL STAGE

**Feasibility Studies:**
IN PROCESS, FINAL STAGE

**Agreements:**
IN PROCESS, FINAL STAGE

**Financing Process:**
PLANNED

**Project Level IRR:**
17%

**Equity IRR:**
22%

**Direct Payback Period:**
6 Years

**Status of Project:**
Project Idea
Pre-Feasibility
Feasibility
Financing
Construction
Operation

**Expected Start of Construction:**
6/1/2016

**Expected Start of Operation:**
10/1/2017

**Project Summary:**

**Project Objective and Structure:**
The project will provide electricity via the national grid to 200,000 homes or 1 million people. The project is 100% owned by GCP. SolarCentury will be our EPCM partner. SolarCentury will be responsible for the technical work, construction and assisting GCP with maintenance. GCP is responsible for equity and senior debt financing and project management.

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sidney@ghanacp.com
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Accra

**Financing Plan:**

<table>
<thead>
<tr>
<th>Financial Instrument</th>
<th>Amount (millions USD)</th>
</tr>
</thead>
<tbody>
<tr>
<td>Equity, controlling stake/ M&amp;A</td>
<td>20</td>
</tr>
<tr>
<td>Senior Debt</td>
<td>36</td>
</tr>
</tbody>
</table>

Available financing...
Tools and databases
Objective: Project origination, development and match-making
http://www.irena.org/marketplace