

## Project Idea Note for the JCM Feasibility Study

Document release date	<b>4 November 2014</b>
Title of the proposed study	<b>Plasma-Nucleus Electricity by Floating Photovoltaic On-Grid Power System, a Conservation transformation of Fishnet Aquacultures to Energy Producer supporting the National Economic Growth</b>
The contact detail of the study	<p>Name of contact entity etc: <b>PT. Kharisma Ambhara Sakti (KAS Green Energy)</b></p> <p>Name and position of contact person: <b>Kukuh A. Yudosusatyo – President Director</b></p> <p>E-mail of contact person: <b>kukuh@kasgreenenergy.com</b></p> <p>Phone number of contact person: <b>Office : +6221-75902147</b> <b>Fax : +6221-7509474</b> <b>Mobile : +62816856836</b></p> <p>Address of contact entity etc: <b>Jl. Ciputat Raya No. 27 C Pondok Pinang Jakarta 12310 - Indonesia</b></p> <p>Website of contact entity etc: <a href="http://www.kasgreenenergy.com">www.kasgreenenergy.com</a> (under construction)</p>
Japanese participant[s] for the study and their roles in the project <i>(including names of personnel)</i>	<p>Name of participant: <b>Ciel Terre Japan K.K</b></p> <p>(Name and position of contact person: ) <b>Eva Pauly – International Business Manager</b></p> <p>(E-mail of contact person: ) <b>epauly@cieletterre.net</b></p> <p>(Phone number of contact person: ) <b>Office : 03-66718917</b> <b>Mobile : 080-5960-4136</b></p> <p>Address of contact entity etc: <b>Arca Central 14F, Kinshi 1-2-1, Sumida-ku, Tokyo, JAPAN</b></p> <p>Website of contact entity etc: <a href="http://www.cielterre.jp">www.cielterre.jp</a></p>

	<p>Roles:  <b>Design, Manufacturing, Selling and Service Floating PV power plants.</b></p> <p><i>Other participants such as Japanese PV Manufacturer such as Kyocera, Consultancy Company, Environmental Specialist from both Japan and Indonesia will be nominated later on once the PIN request approved.</i></p> <p>Name of participant: <i>TBA</i>  (Name and position of contact person: ) <i>TBA</i>  (E-mail of contact person: ) <i>TBA</i>  (Phone number of contact person: ) <i>TBA</i>  Address of contact entity etc: <i>TBA</i>  Website of contact entity etc: <i>TBA</i>  Roles: <i>Environmental Impact Analysis (EIA) Consultancy Services</i></p>
<p>Indonesian participant[s] for the study and their roles in the project  <i>(including names of personnel)</i></p>	<p>Name of contact entity etc:  <b>PT. Kharisma Ambhara Sakti (KAS Green Energy)</b></p> <p>Name and position of contact person:  <b>Kukuh A. Yudosusatyo – President Director</b></p> <p>E-mail of contact person:  <b>kukuh@kasgreenenergy.com</b></p> <p>Phone number of contact person:  <b>Office : +6221-75902147</b>  <b>Fax : +6221-7509474</b>  <b>Mobile : +62816856836</b></p> <p>Address of contact entity etc:  <b>Jl. Ciputat Raya No. 27 C Pondok Pinang</b>  <b>Jakarta 12310 - Indonesia</b></p> <p>Website of contact entity etc:  <a href="http://www.kasgreenenergy.com">www.kasgreenenergy.com</a> (under construction)</p> <p>Roles:  <b>Assist indentifying the potential converting Floating FishNet Aquacultures at Jatiluhur Reservoir to Floating Photovoltaic Power Generation Plant with a concept of Plasma-Nucleus.</b></p>

Name of contact entity etc:

**PT. Survai Udara Penas (Persero)**

Name and position of contact person:

**Chaerul Salam – Director**

**Bagus W. Setiawan - Manager**

E-mail of contact person:

[csalam@penas.co.id](mailto:csalam@penas.co.id)

[bwsetiawan@penas.co.id](mailto:bwsetiawan@penas.co.id)

Phone number of contact person:

**Office : +6221-8008244**

**Fax : +6221-8008242**

**Mobile : +628128967208 (Chaerul Salam)**

**Mobile : +6281288556690 (Bagus W. Setiawan)**

Address of contact entity etc:

**Gedung Nindya Karya 2<sup>nd</sup> Floor**

**Jl. LetJend MT. Haryono Kav. 22**

**Jakarta 13630 – Indonesia**

Website of contact entity etc:

[www.penas-pt.com](http://www.penas-pt.com)

Roles:

**Assist implementing survey during the Feasibility Study such as Bathymetry, Photography Mapping and other at Jatiluhur Reservoir and surrounding area.**

Name of contact entity etc:

**Perum. Jasa Tirta II**

Name and position of contact person:

**Haris Zulkarnain – Head Planning, Research & Developmet**

E-mail of contact person:

[haris\\_zulkarnain86@yahoo.com](mailto:haris_zulkarnain86@yahoo.com)

Phone number of contact person:

**Office : +62264-201972**

**Fax : +62264-201971**

**Mobile : +628129039901**



<ul style="list-style-type: none"> <li>➤ Scale of investment including planned source of investment</li> <li>➤ Technology[ies] to be adopted for the study, and brief description of the technology[ies]</li> <li>➤ Project implementation scheme, and role of each participant</li> <li>➤ Current status and progress of the study including planned timeline</li> </ul>	<p>.</p> <p>US\$ 200 Million to convert equivalent 100 MWp Plasma-Nucleus Floating Photovoltaic On-Grid Power Generation Plant.</p> <p>Source of Investment of the Plasma-Nucleus Concept will be generated from Equity, Soft Loans, Financial Investor, CSR, Grants, Green Fund, Obligations, IPO, Carbon Credits.</p> <p>Patented Hydrelia© system by Ciel et Terre , the only Floating Photovoltaic Power Plant with large scale track record installations in Japan that is environmental friendly made of HDPE (Drinking water &amp; Food Grade Classification)</p> <p>Estimated the Feasibility Study will take 6 (six) months</p> <ul style="list-style-type: none"> <li>• Non Disclosure Agreement and Memorandum of Understanding signed between Ciel et Terre and KAS Green Energy;</li> <li>• Submitted Project Idea Note (PIN) to JCM Indonesia</li> </ul>
<p>Rough estimation of expected GHG emission reductions (unit: tCO<sub>2</sub>/year)</p>	<p>Considering 100 MWp of Solar power (Specific prod: 1472 kWh/kWp/year), we have <b>114 699 tCO<sub>2</sub> emissions avoided</b> (scope considered: Operation).</p>
<p>(if any) Capacity building activity for the Indonesian participant[s] (cf. information sharing among stakeholders, organizing workshops, and/or study tour to Japan)</p>	<p>Ciel et Terre have EPC partners in Indonesia for construction and operation &amp; maintenance activity. Ciel Terre can organize specification books to select the best local EPC company and can train the team to installation works.</p> <p>Ciel Terre Japan can organize study tour of grid connected large scale floating PV power plants in Japan using the patented Hydrelia© technology.</p>