



# **SOLAR & STORAGE FINANCE ASIA**

## Archipelago Hybrid Solutions Portfolio

# INFUNDE – INFRACO ASIA

INFRACO  
ASIA

InfraCo Asia provides early stage, high-risk development **funding** to stimulate greater private sector investment in infrastructure development in lower income countries of South and South East Asia

Infunde  
DEVELOPMENT

Infunde is the exclusive developer / agent for InfraCo Asia. **Infunde sources and develops projects on behalf of InfraCo Asia** for five countries in South East Asia

# Southeast Asian Utilities Want



**Low Cost  
Power**

**Reliable  
Grid**

**Fast  
Execution**

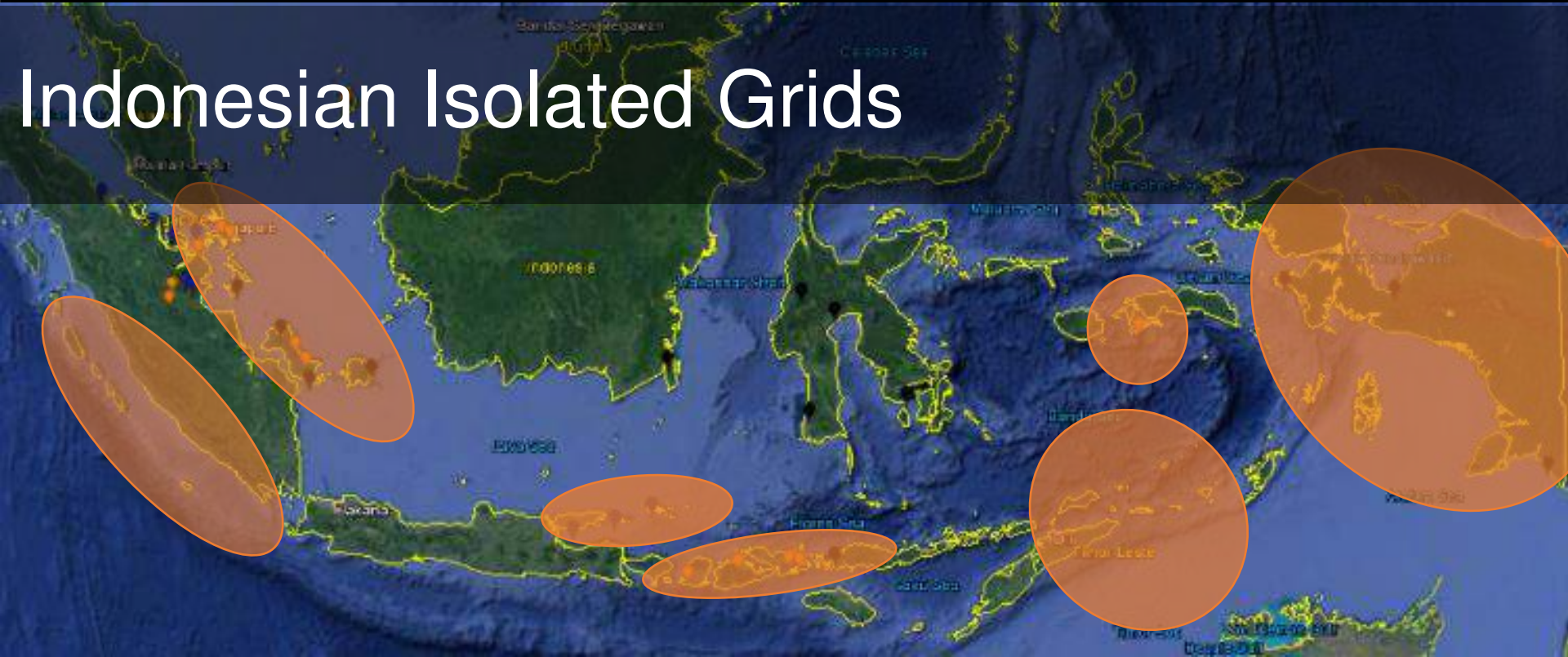
**Planning  
Flexibility**

# Portfolio Summary

<b>Rationale</b>	<ul style="list-style-type: none"><li>▪ Numerous under-electrified provinces rely on high-cost diesel-based generators.</li><li>▪ Stand-alone solar installations disrupt the stability of relatively weak island grids</li><li>▪ Stand-alone solar installations do not provide a comprehensive solution for reliable power in many island provinces in Indonesia.</li><li>▪ New hybrid configurations are a solution</li></ul>
<b>Size of the envisaged project</b>	<ul style="list-style-type: none"><li>▪ Construction of a solar-battery-diesel hybrid proof of concept (target combined size &gt; 10 MW), current intention to equity fund</li><li>▪ Develop a pipeline of 5-7 more projects to advanced state (50 MW)</li><li>▪ Identification and development of more pipeline projects to interim state (100MW)</li></ul>
<b>Capex and funding required</b>	<ul style="list-style-type: none"><li>▪ Capex: US\$ 167-200 million funded through debt and equity</li></ul>
<b>Offtaker</b>	<ul style="list-style-type: none"><li>▪ PT. PLN (Persero)</li></ul>
<b>Key contracts / materials commercial terms</b>	<ul style="list-style-type: none"><li>▪ 20 year Power Purchase Agreement with PLN, based on recent solar PPA template supported by international lenders</li></ul>



# Indonesian Isolated Grids



**10+ installations, across the archipelago**

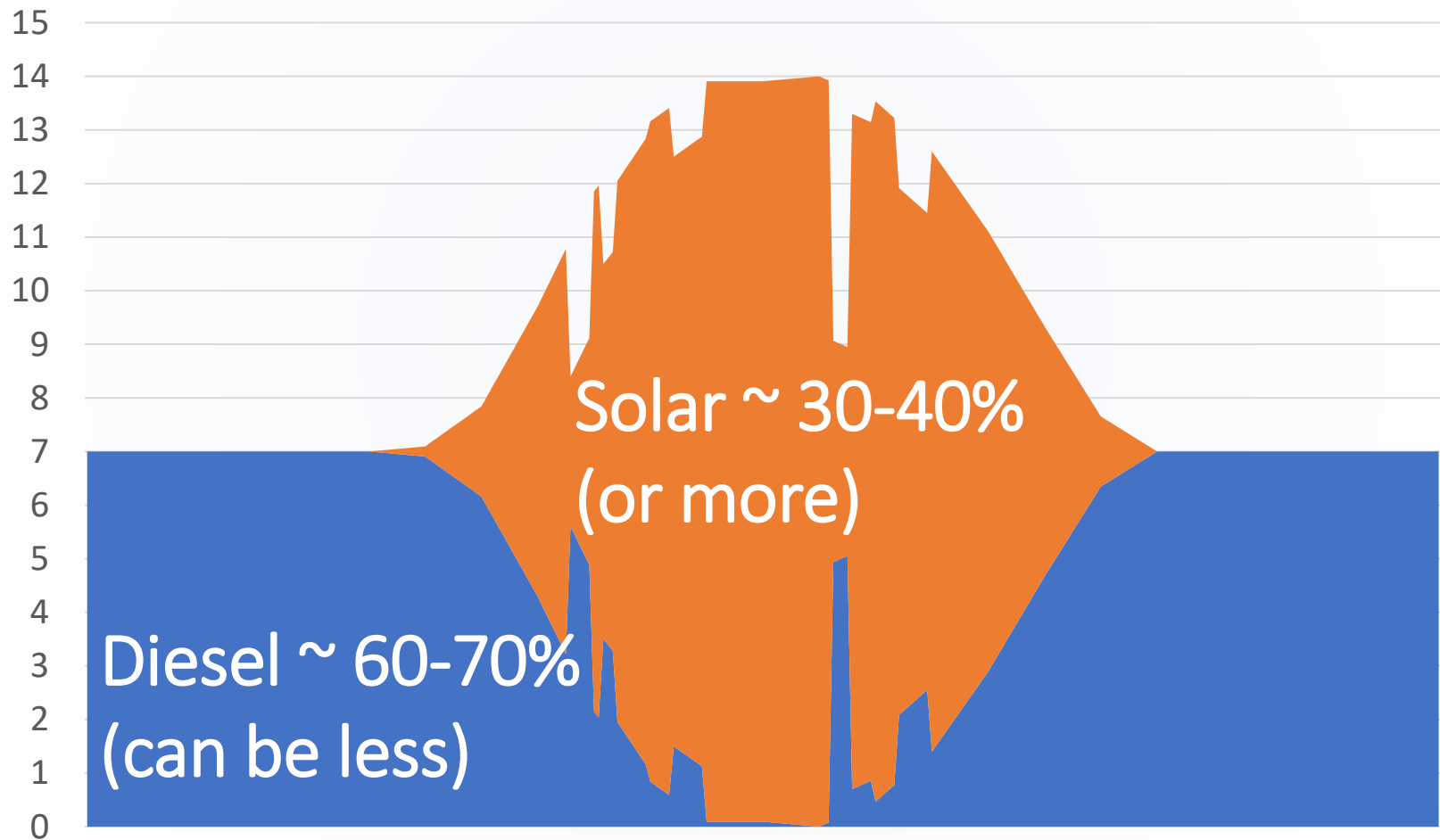
**Impacts to grid stability as important as cost**

**Want flexibility, ability to change planning, tech changing**

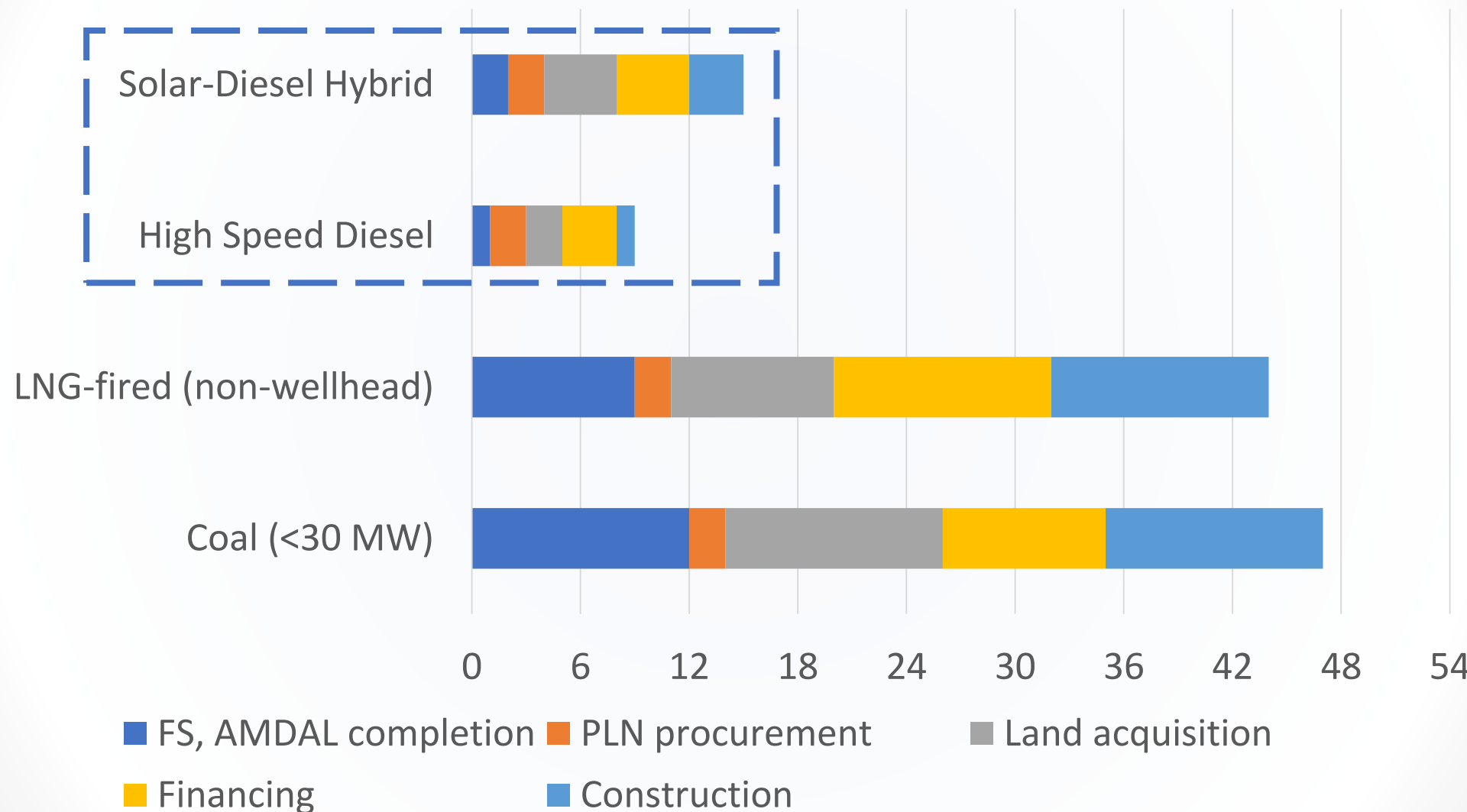
**Hybrid tariff design important, a new change**

**Material savings to integrating hybrid configurations**



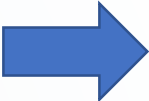









# Hybrid Daily Prod'n Profile (MW)



# Fast Development Potential (Indonesia)



# What a Hybrid Project Provides

	SOLAR/PV	DIESEL GEN-SETS	HYBRID
Levelized cost			
Grid impact risk			
Implementation risk			
Planning flexibility risk			



# EXCLUSIVE INFRACO ASIA DEVELOPER

Infunde Development is responsible, on behalf of InfraCo Asia for project origination, pre-financial close project development, EPC management and financial structuring activities in Southeast Asia.

InfraCo Asia is a company of the Private Infrastructure Development Group a coalition of donors mobilizing private sector investment to assist developing countries attain infrastructure vital to boosting their economic growth and combating poverty. InfraCo Asia is currently funded by three PIDG members - Australian Department of Foreign Affairs and Trade (DFAT), the Swiss State Secretariat for Economic Affairs (SECO), and the UK Department for International Development (UKAid).



@InfraCoAsia



InfraCo Asia

[www.infracoasia.com](http://www.infracoasia.com)



@pidgorg



Private Infrastructure Development Group

[www.PIDG.org](http://www.PIDG.org)



# Contact us

**Infunde Development Pte. Ltd.**

10 Anson Road #26-10  
International Plaza  
Singapore 079903

[www.infundedevelopment.com](http://www.infundedevelopment.com)