

Integration of the Independent Engineer in Renewable Energy Projects

Andrew Kerley
Engineering Manager – Wind
kerleya@pbworld.com

WSP | Parsons Brinckerhoff

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AGENDA

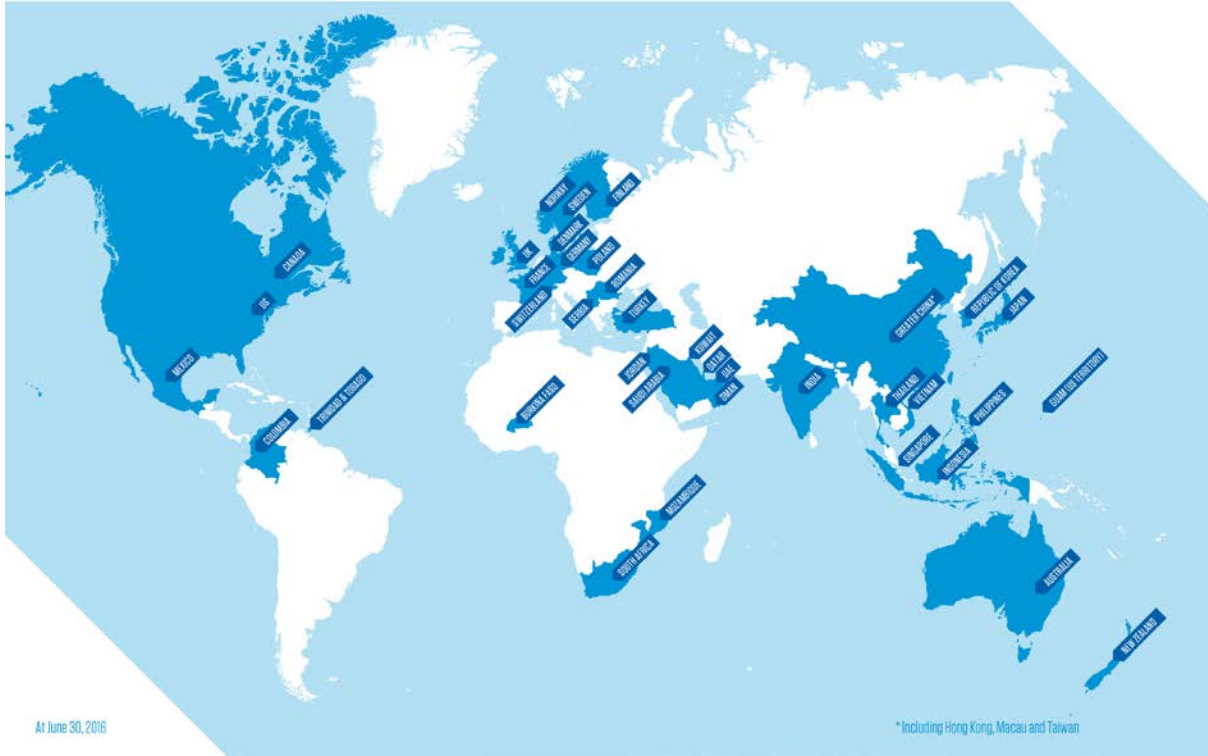
Introduction

Roles of the Independent or Lenders' Engineer (IE)

Owners/Principal/Principal's Representative - how to integrate with your IE



INTRODUCTION



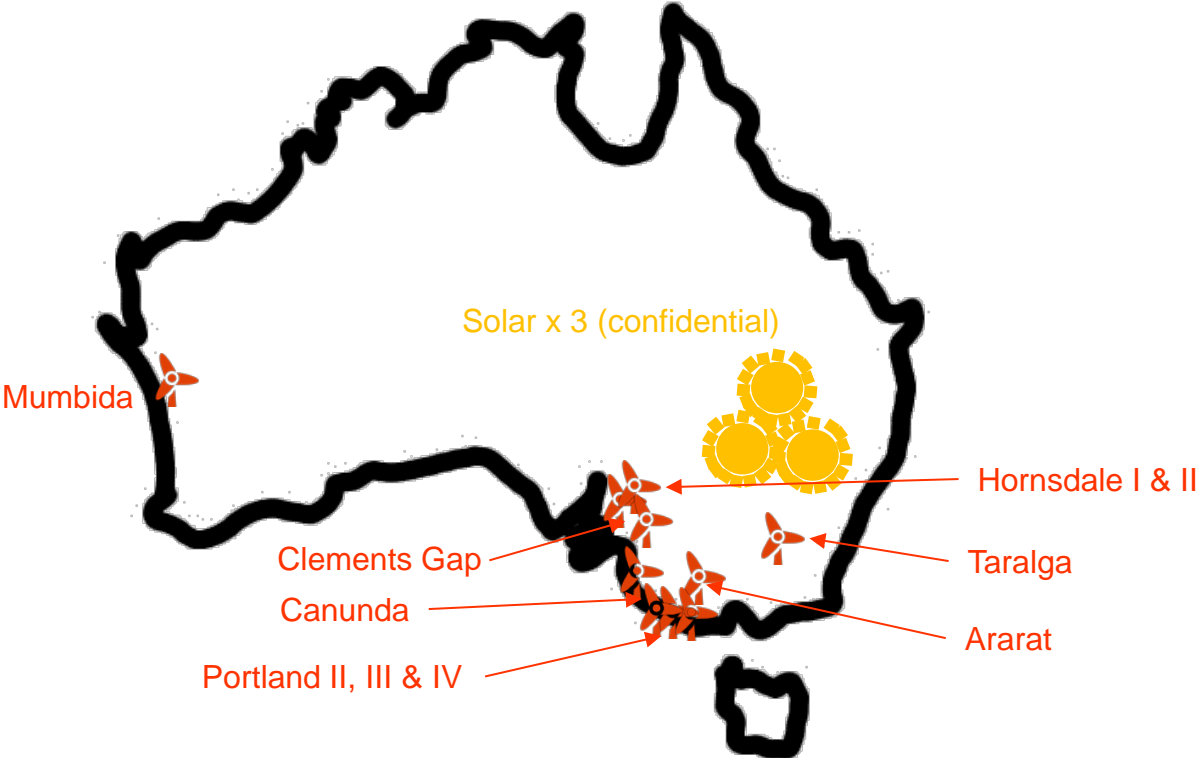
At June 30, 2016


± 34 000
EMPLOYEES


500 +
OFFICES

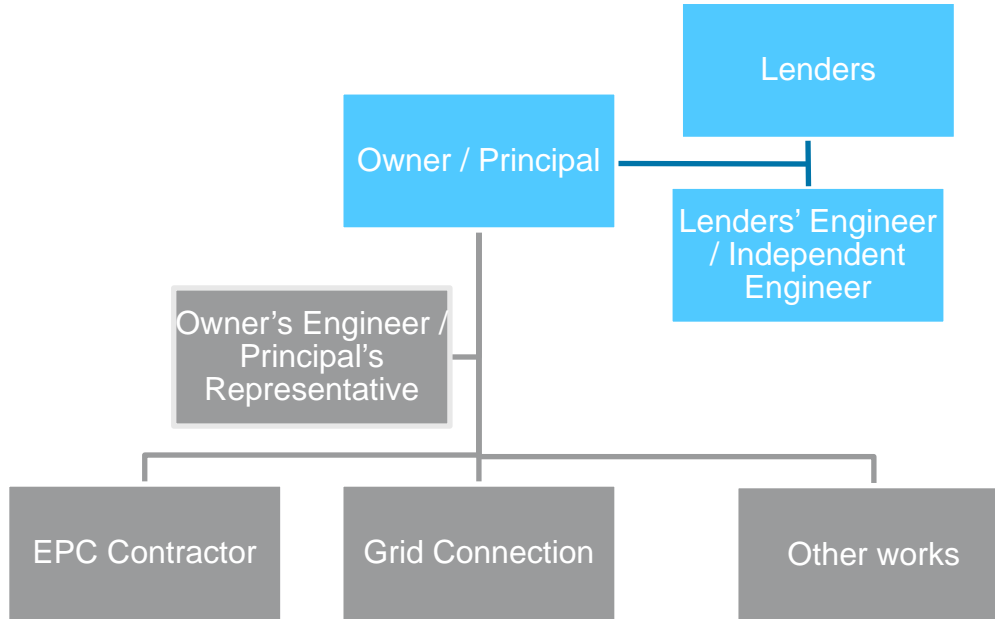

± 40
COUNTRIES

INDEPENDENT ENGINEER CREDENTIALS



Following discussion in the context of wind but also applies to solar

TYPICAL PROJECT ORGANISATION CHART

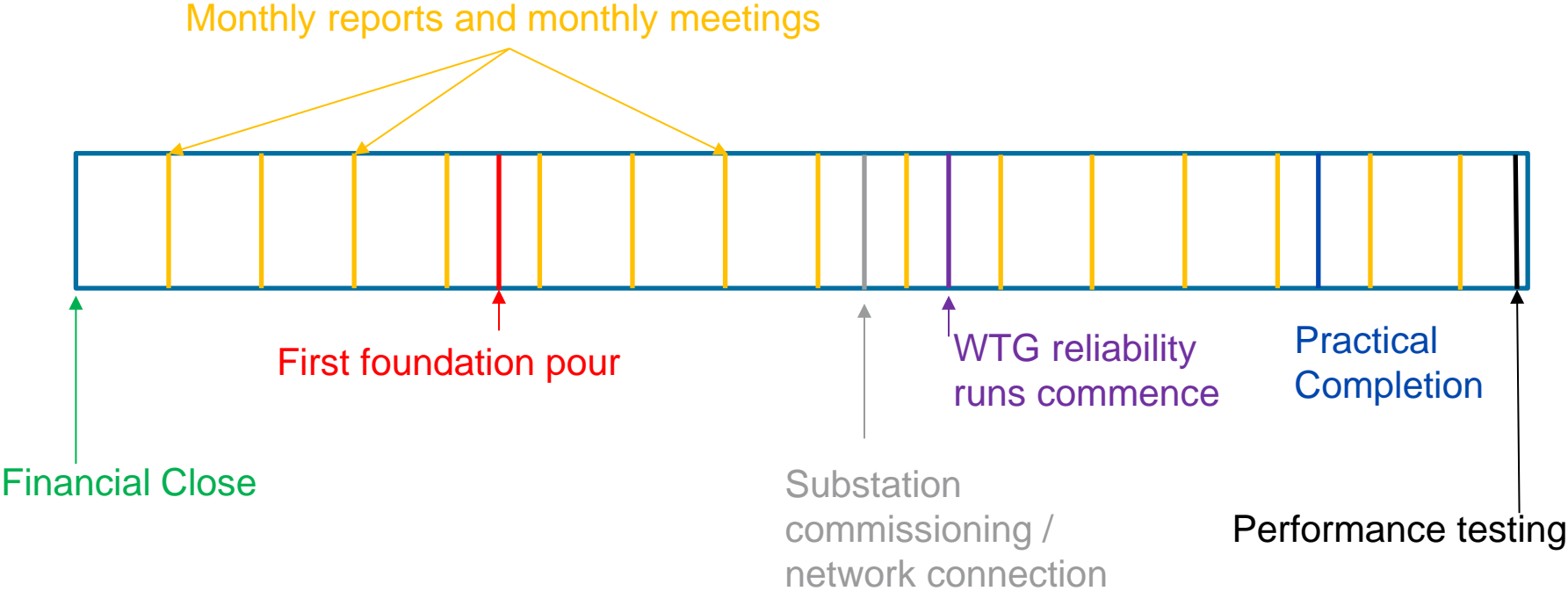


ROLES OF THE INDEPENDENT ENGINEER

- Reporting through to lenders**
- Drawdown certification**
- Cost and time to complete test**
- Key milestone sign-off**
- Performance test verification**



PROJECT TIMELINE & IE ACTIVITIES



INTEGRATION WITH YOUR INDEPENDENT ENGINEER



Provide reports to IE on time

Attendance at project meetings (monthly)

Drawdown information - this is often the most time critical task

Supporting milestone information

CONCLUSION



Each project is different

Each financing arrangement is different

Tasks are generally repetitive, or at least predictable

Routine is key

Everybody wins!

THANK YOU



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