



Dii Toolkit Initiative



Dii Desert Energy

Document History



DOCUMENT CHANGE HISTORY RECORD SHEET

Document Title / Number	Rev.	Description Of Change	Effective Date
Dii Toolkit Initiative Dii-Toolkit-Initiative-fm170817-R1	R1	Initial Release – For Information	17-Aug-2017
Dii Toolkit Initiative Dii-Toolkit-Initiative-fm170923-R2	R2	Updated – For Information	23-Sep-2017
Dii Toolkit Initiative Dii-Toolkit-Initiative-fm180521-R3	R3	Updated – For Information	21-May-2018
Dii Toolkit Initiative Dii-Toolkit-Initiative-fm181020-R4	R4	Updated – For Information	20-Oct-2018

Category	Name	Designation	Signature	Date
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Introduction

Dii Objectives



Desertec Industrial Initiative (Dii)

was launched in 2009 as a 'not-for-profit' entity in Germany for exploring the potential of renewables in the desert areas of Northern Africa and the Middle East, improving market conditions and examining the synergies to be captured through connecting the European and MENA power markets.



Dii Vision

Increased competitiveness of renewables shall swiftly lead to economic growth and secure near 100% renewable based power supply without emission or waste.



Our Mission: No Emissions!

Towards a fully emission free power supply in MENA, Encourage and support the deployment of utility-scale renewable energy projects and integrating them in the expanding interconnected power systems for greater local and regional benefits.



Dii Strategy

Connecting the international industry active in the MENA region with authorities and institutions. Focus on practical country specific issues of renewable energy projects and grid integration in the region and interconnections across countries leading to tangible and profitable projects and other benefits to the market.

Our Mission: No Emissions!

Introduction Dii Partners



Key Promoters



Associated Partners



Why Toolkit?

- ▶ In the ever-evolving energy markets, the power of information and in particular know-how, innovation, & collaboration, are key success factors.

Objective: Accelerate RE Implementation

- ▶ **So What Is The Bottom Line?**

- ▶ **Use Top Down Analysis**

- ▶ **Q&A To Establish Workflow!**



Bottom Line

Why Toolkit?

➔ Q: What accelerates RE implementation?

➔ A: Creating RE project opportunities.

➔ Q: Who creates RE opportunities?

➔ A: By connecting RE talent to drive innovation.

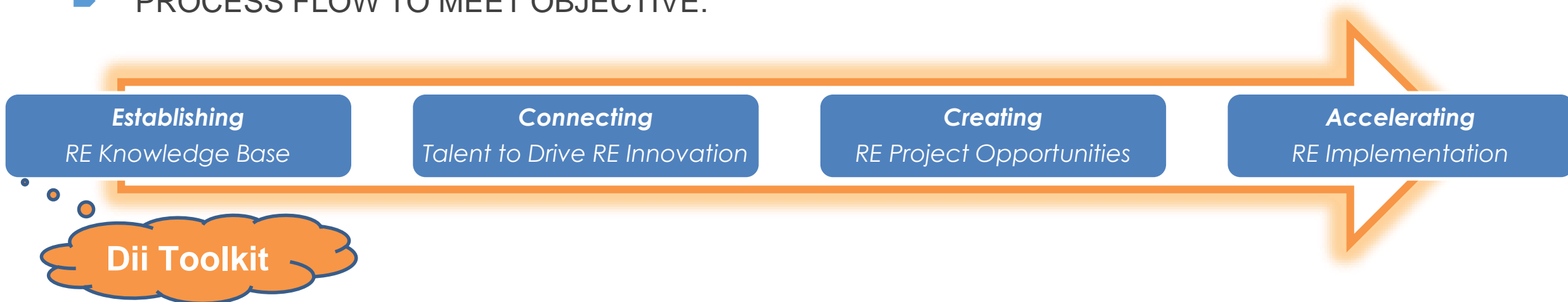
➔ Q: What is the basis RE talent?

➔ A: Establishing RE Knowledge Base. This is the bottom line! A solid foundation!



Why Toolkit?

▶ PROCESS FLOW TO MEET OBJECTIVE:



- ▶ The Dii Toolkit “Establishes RE Knowledge Base” thus enabling talent connection, opportunity creation, & therefore renewable energy implementation acceleration.
- ▶ Dii Toolkit Initiative sets a solid foundation for achieving the goal of energy independence via renewable energy, therefore accomplishing Dii Objectives.

Toolkit Description

- ▶ Dii's "Toolkit for Renewable Energy Grid Integration, Project Development & Industry Localization" is **derived from Dii's partners as well as Renewable Energy (RE) industry expert professionals know-how, experience, & best practices.**
- ▶ The objective of the Dii's Toolkit is to provide RE industry stakeholders, both **private and public**, with access to state-of-the-art measures & techniques (tools) which enable accelerated and smooth integration of large amounts of renewable energy into existing power grids & ensure tangible and durable benefits to the region.

Dii Toolkit scope of work includes:

- ▶ **Tools & checklist** for bankability of RE projects, system requirements for RE grid integration, operators' technical capability to manage high levels of variable RE generation, local industry & job creation & retention factors, business transparency factors.
- ▶ **Practical tips** on project development, public and private procurement and localization, thus assuring: best value for money, industry involvement, job creation, sound financing, transparency & build of trust amongst stakeholders.
- ▶ **Planning for gradual increase of RE generation** at local, national, regional and international scale.
- ▶ **Country case studies** & sharing of know-how & expertise.
- ▶ The Toolkit database will be **available at Dii's website platform**, exclusively for Dii's partners & network members.

Toolkit Approach

- ▶ Dii Toolkit Approach to Creating Value and Knowledge Base
- ▶ WHAT TO DO vs. HOW TO DO



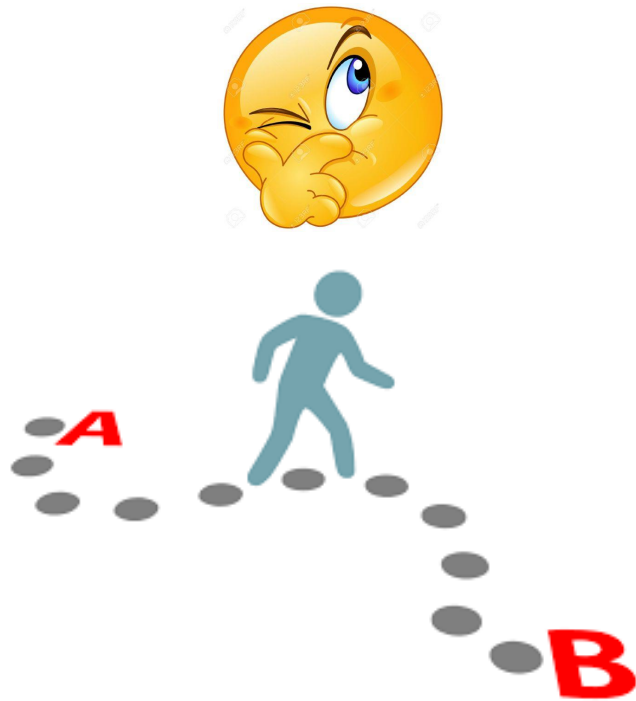
WHAT TO DO ?



HOW TO DO ?

Toolkit Approach

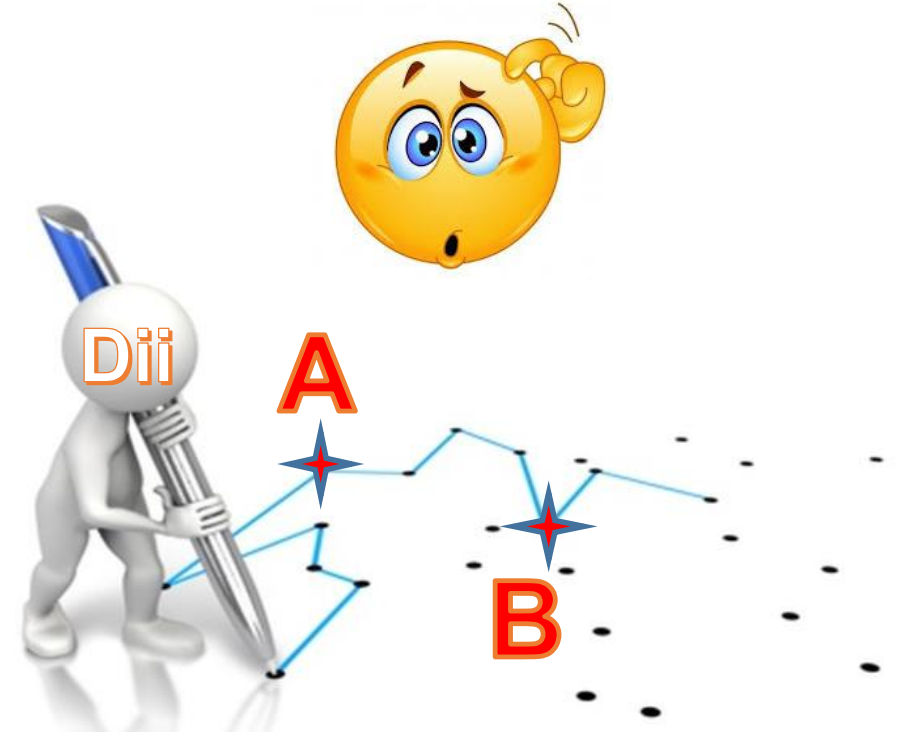
WHAT TO ?



Limited



HOW TO ?

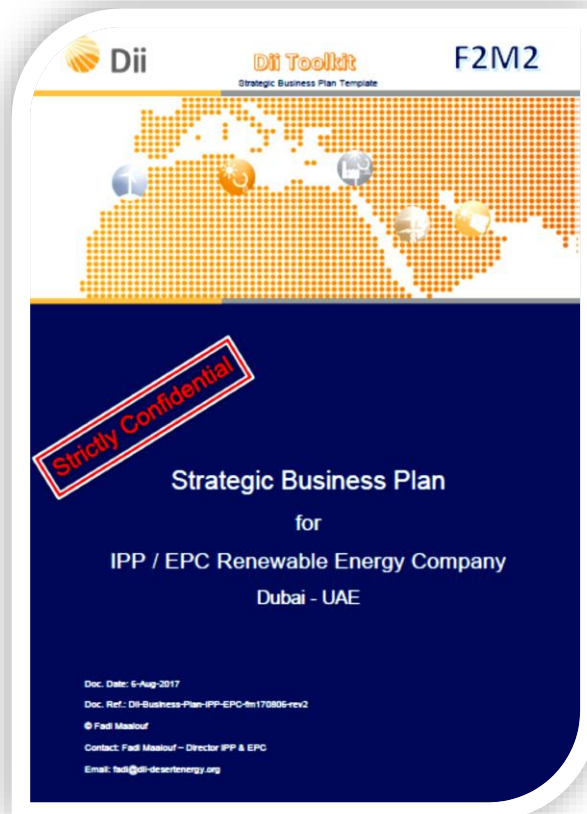


Comprehensive View

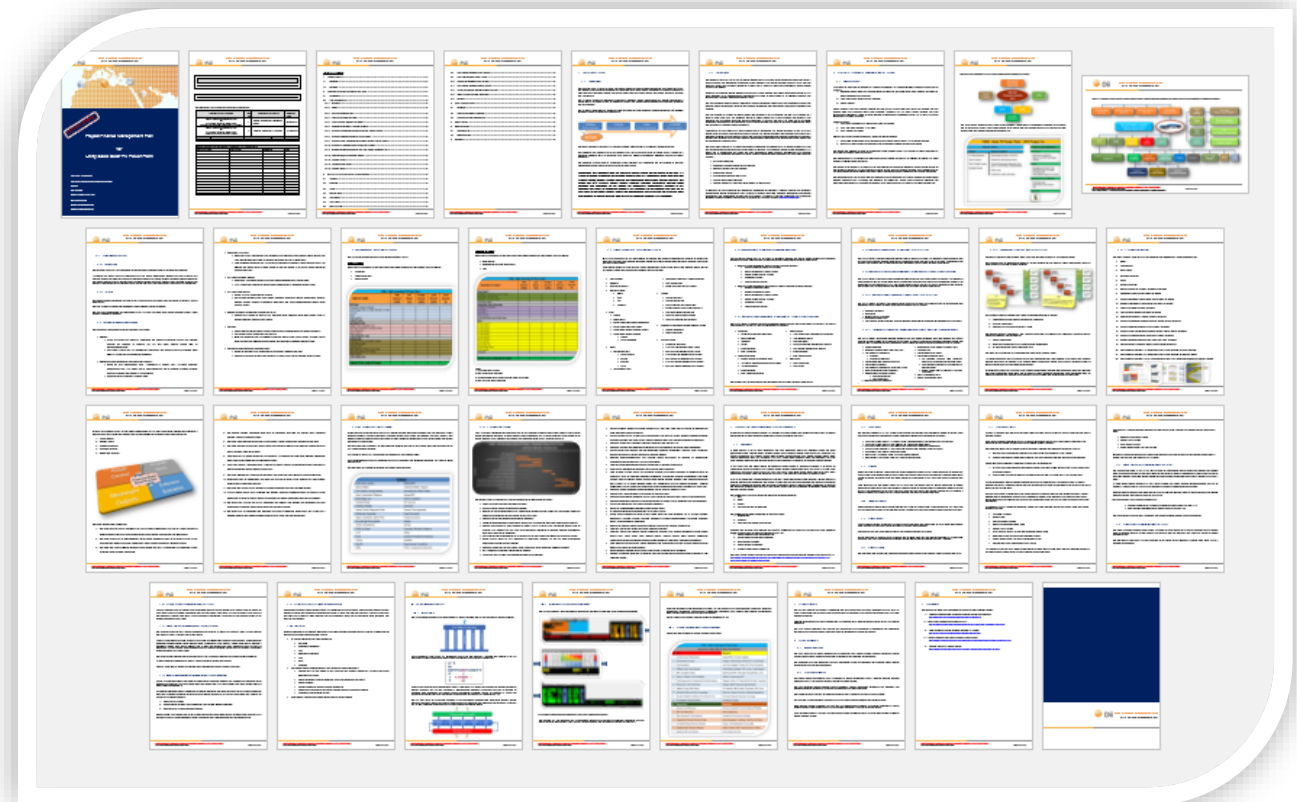
Recent Publications How To?



Strategic Business Plan for IPP / EPC Renewable Energy Company



Project Finance Management Plan for Utility Scale Solar PV Power Plant



Recent Publications How To?



Trending! The SunBurn Test™

Integrating Climate Change in Capital Budgeting for Solar PV Plants

Trending! SunBurn Test™

Thumbnail images of the publication's content, including:

- Introduction and overview of the SunBurn Test™.
- Methodology and data sources.
- Key findings and results.
- Conclusion and recommendations.
- Appendices and detailed data tables.

Thank You



Dii



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