

4TH INTERNATIONAL CONFERENCE
FOR SUSTAINABLE MOBILITY

& IRF ANNUAL CONFERENCE

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INNOVATING PROJECT DELIVERY THROUGH SUSTAINABLE FINANCE AND TECHNOLOGY

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الطرق السيارة بالمغرب
Autoroutes du Maroc

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VOTE 1 - MOROCCO



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- Project efficiency = setting clear objectives in advance
- Morocco is unique – historically, geographically, religiously, politically, economically, environmentally, racially
- Without clear Moroccan objectives, project delivery will be inefficient as driven by foreign objectives

SUSTAINABILITY



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- Moroccan sustainability needs clear definition
- United Nations Sustainability Development Goals translated for here and now
- Sustainability and low carbon footprint is not a copy paste of Paris or London or New York etc



- Efficient connections is sustainable mobility
- Moroccan mobility within cities could uniquely capture elements of Moroccan culture
 - e.g. Trucks underground and the surface liberated for culturally sensitive mobility for the tourist industry and locals alike (for example – Dublin)

CARBON FOOTPRINT



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- Underground construction produces functional connections lasting hundreds of years
- New techniques available to reduce carbon footprint in construction
- Adoption of electric construction equipment likely not appropriate – beware of inappropriate pushing of technology not adapted to Moroccan circumstances

FAST TRACK = DESTINATION CLEAR



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- Transport outcome defined
 - Example: 20% reduction in cross city energy consumption
- Infrastructure defined
 - Example: Ground conditions understood. Concept design of tunnel (including energy saving in construction and operation) defined
- Local expertise within client to drive the Project to its Moroccan destination (minimise foreign interference in achieving national objective)

NEW TOOLS



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- FIDIC / ITA underground construction contract (Emerald Book)
- BRE / ITA sustainability indexing tool
- NEC4 / ITA underground construction contract
- Insurance: some insurers offer experts in the field (underground)
- Finance: some development Banks offer experts in the field (underground)

CONCLUSIONS – THE NEW ‘NEW’ IS OLD



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- Know what you want
- Demand that you get it
- Know how to measure it
- Control the Project narrative and delivery



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THANK YOU!

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