FOREIGN PRODUCTION PROJECT PLANNING IN THE REAL WORLD

CHANGED INDUSTRIAL PROJECT DEVELOPMENT WORLD

P. K. Kauppi

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The Changed World
Does And Do Nots Matter

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Publisher: BoD – Books on Demand, Helsinki, Finland

Printer: BoD – Books on Demand, Norderstedt, Germany

ISBN: 978-951-56-8123-2

DEDICATION

Dedicated to those engineers, managers and supervisors in many Asian Countries, North America and Europe where the writer had a unique opportunity for an engineer to be associated with over his long time involvement in complex industrial project development of the international scale. The dedication belongs to those who worked in large processing plants, in technology and manufacturing industries and in international financing institutions in those locations. Without these types of associations this, in many ways **Rare And Unique**, introduction to the complex topic could not have been provided to the readers.

ABOUT THE AUTHOR

Dr. Kauppi's engineering and management engineering background and industrial project development experience is truly international. He has degrees in mechanical engineering from Finland, in pulp and paper engineering from Sweden, and an M.S. and Ph.D. in management engineering from the United States. His Ph.D. Dissertation dealt with the analysis of complex international projects. He has worked in Scandinavia and in Canada with multi-national industrial technology and machinery companies, with resource-based industrial manufacturing operations, and with some of the world's leading consulting engineering companies in senior positions on international project development and engineering. He has published many papers on complex international projects in well-known industry publications, served as an editorial advisor of the Paper Trade Journal Magazine of the United States, and obtained several industrial process and equipment patents in the United States, in Canada and in Scandinavia. He has also written several books.

Since 1980s Dr. Kauppi has spent most of his time in the international arena involving engineering, planning and development of high capital resource-based manufacturing projects as well as high-tech projects in the developing countries, while being based in North America. His work has covered assessment of existing industrial operations, development of complex new projects, structuring foreign equity joint ventures, sourcing for foreign joint venture partners and international financing. He has strong industrial project experience from South America, China, India, Malaysia and other Asian countries, the most challenging regions in the world to do business with, and yet have plenty of opportunities for foreign-invested joint ventures and other types of project participations.

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The book is a **Rare and Unique** introduction to the topic with illustrations to summarize the key issues. In today's complex world the international industrial project development and planning is faced with a chancing flow of decision-making situations. Here comes the Covid-19 and expected like future impacts to generally accepted ways and methods of bankable projects planning work with foreign participation to complicate the situation further. The degree of impact varies on case-by-case basis, the location, activity or sub-disciplines associated with the project scope and international partners' role in the project. It is not realistic to outline a detail blanked cover impact to all typical project activities and issues. Rather, in general terms and based on a long time foreign project involvement and experience **create awareness** of a potential impact at various levels of project activities for senior engineers and the project managers involved in these assignments.

Otherwise, this is a comprehensive presentation from the **real project world** prior to Covid-19 time in foreign projects planning and development process**.** The outlined method is for complex projects that benefits from combination of practical engineering and management skills, strong field experience and need-based analytical techniques. The approach can be tailored to management of any kind of international project development, planning consideration and in the project management training. The book deals with:

- the international opportunity assessment
- the isolation of project development obstacles and solution development
- the project elements process, as well as those analytical techniques specifically fit for complex international projects
- the development plan formulation with marketing and financing plan
- additionally, it covers the attributes of an internationally skillful manager

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To summarize: The book is based on large, broad scope foreign led industrial projects suited for forming a joint venture with a developing country counterpart. This kind projects and the approach requires strong experience, solid engineering and management skills from the project manager. From this material one can select the topics and issues for less comprehensive and smaller projects.