

Motivation



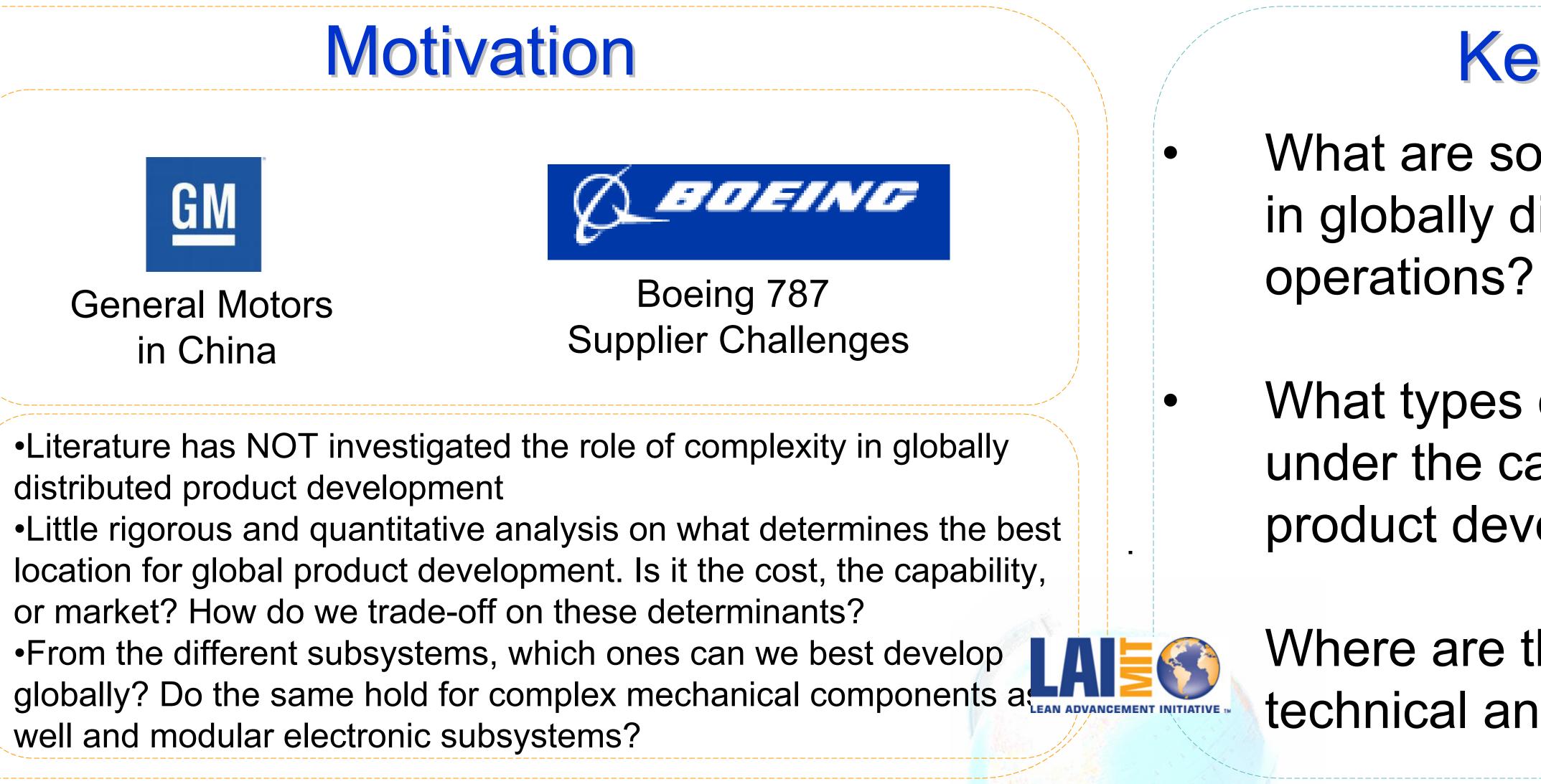
Observed

Challenges

Literature

Summary

General Motors in China



•Literature has NOT investigated the role of complexity in globally distributed product development •Little rigorous and quantitative analysis on what determines the best location for global product development. Is it the cost, the capability, or market? How do we trade-off on these determinants? well and modular electronic subsystems?

Research Design and Methods

Design

- Grounded theory
- Multiple embedded case studies

Methods

- Semi-structured interviews
- Internal documents

Public data

Modular Old/New Technological Systems



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Integrated New/Old Technological Systems

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Globally Distributed Product Development Role of Complexity on the What, Where and How Pedzi Makumbe (Ph.D. Candidate) & Prof. Warren Seering (advisor)



Compilation of best practices in globally distributed product development with a focus on handling complexity in execution and how to build the appropriate globally distributed product development organization

Models that consider market, cost, capability and culture in predicting the best location for developing a particular subsystem

Models that can help us decide which subsystems can best be developed globally

Key Research Questions

What are some best practices in handling complexity in globally distributed product development

What types of subsystems are globally developed under the captive offshore, partner or supplier global product development modes?

Where are the subsystems developed given technical and business constraints?

Applications to Industry

