



- ### Implementation Process
- Identify needs
  - Approach to ERP's providers (pre-selection)
  - Create a business case
  - Obtain approval and funding from executives
  - Sign a contract
  - Process preparation (Internal research and data collection)
  - Training
  - System Deployment
  - Configuring and tuning
  - Test
  - Beginning operations

Time Frame 6-12 Months

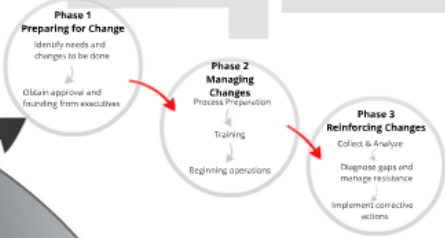
### Make-to-Order

Will reduce the amount of stored inventory

Allows a large flexibility in the production process, addressing sudden unexpected changes in customer demand and reducing the costs of warehouse storage

Reducing the lead time

Nissan make-to-order manufacturing process must be implemented using late customization



Problems found

### Demand forecast solution

The implementation of analytics/planning tools will give companies demand forecasting when planning and scheduling production.

The implementation of automated controlled ERP system will cover all of the firm's activities and enable the company to allocate, track, master production schedule (MPS) as well as address up-to-the-minute data on all aspects of the supply chain.



### Advantages

- Easier global integration (barriers of currency exchange rates, language, and culture can be broken automatically)
- Centralized updates of data
- Real-time information, reduced possibility of redundancy errors
- Possibility to create a more efficient work environment for employees
- Inventory optimization using sales forecasting
- Order tracking from acceptance through fulfillment
- Chronological history of every transaction through relevant data compilation in every area of operation
- Revenue tracking from invoice through cash receipt

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### Disadvantages

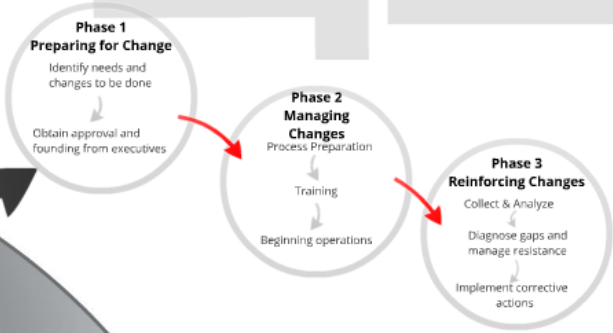
- Cost can be higher than less integrated and be provided
- Return on investment may take too long to
- Resources from daily operators
- Extensive training requirements take
- activities
- ERP system may divert focus from other critical
- and/or divert focus from other critical
- ERP system may damage competitiveness
- Re-engineering business processes to fit the
- company's business model well
- Inflexibility - vendor packages may not fit a
- manageability with vendor
- Locked into relationship by contract and
- or less comprehensive solutions
- Cost can be higher than less integrated and

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Time Frame 6-12 Months

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 Allows a large flexibility in the process, addressing sudden changes in customer demand and reducing costs of warehouse storage  
 Reducing the lead time  
 Nissan make-to-order manufacturing process must be implemented using 'late customization' process



## Global Supply Chain Management

Case study  
 Nissan Canada Inc. - Case study  
 By: Ania Turonova, Aneta Szustak, Mateusz Pruski, Aneta Chmielecka

# NISSAN

### Problems found

Problems found

### Demand forecast solution

The implementation of Management tools will greatly improve demand forecasting when planning and scheduling production.  
 The implementation of automated centralized ERP system will cover all of the firm's activities and enable the company to allocate, track, modify and cancel orders in real-time, create master production schedule (MPS) as well as address up-to-the-minute data on all aspects of the supply chain.

### Advantages

- Easier global integration (barriers of currency exchange rates, language, and culture can be broken automatically)
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# Global Supply Chain Management

Nissan Canada Inc. - Case Study

by:  
Anna Tuygunova  
Bojdan Statutiak  
Jaideep Bhandari  
Juliana Cambiucci

# Problems found

- A major issue for the NCI is poor demand forecast
- Excess inventories
- Currently, the company is using Excel spreadsheets for planning and scheduling production and using phone, email or fax to communicate with dealers, which result in long ordering process time and response time