

Challenge in Canton



**5 New Models
within 8 Months**

New Factory

New People

New Model

New Supplier

“Nissan Integrated Manufacturing System”

- ✚ **Flexible single line**
- ✚ **Integration & fishbone**
- ✚ **Human friendly:**
Concentrating to value-added operation

“Nissan Integrated Manufacturing System”

Conventional: Dedicated line per model



“Nissan Integrated Manufacturing System”

∞ Flexible single line

- Multi-model random sequence production



“Nissan Integrated Manufacturing System”

∞ **Flexible single line**

∞ **Integration & fishbone**

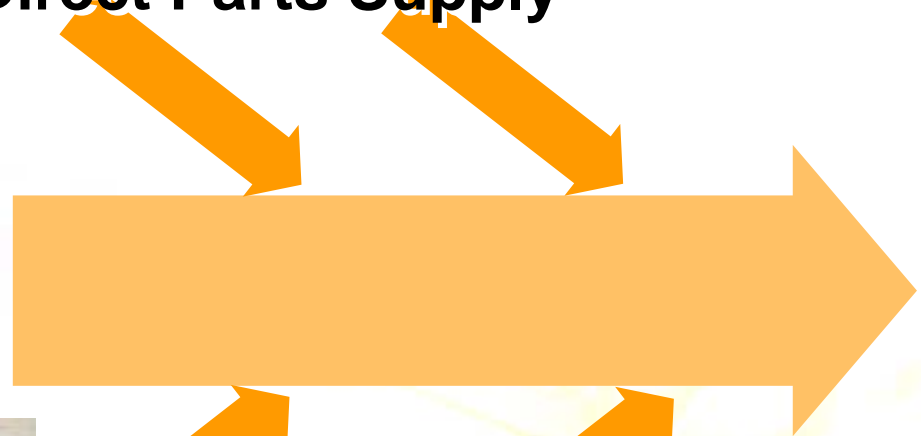
➤ **Module on site, Logistic Center**

Direct Parts Supply

Cockpit



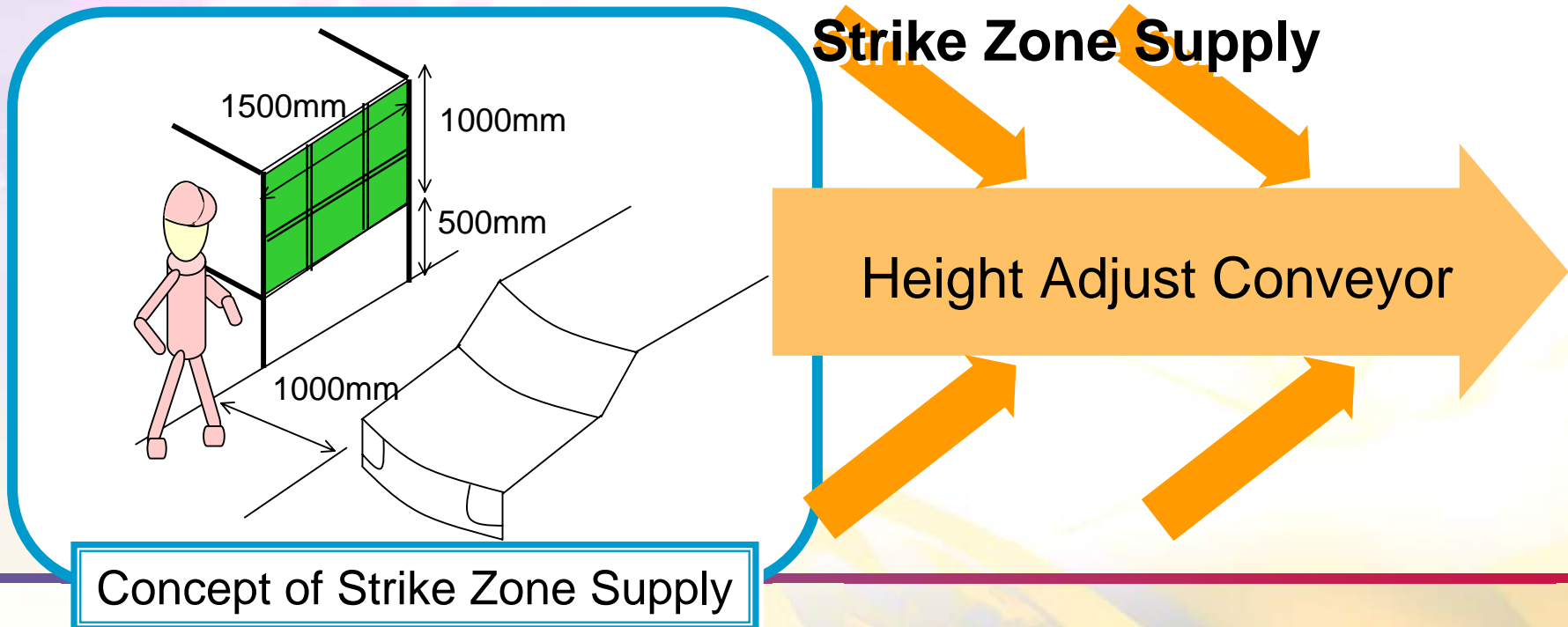
Front-end



“Nissan Integrated Manufacturing System”

- Flexible single line
- Integration & fishbone
- Human friendly

Concentrating on value-added operation



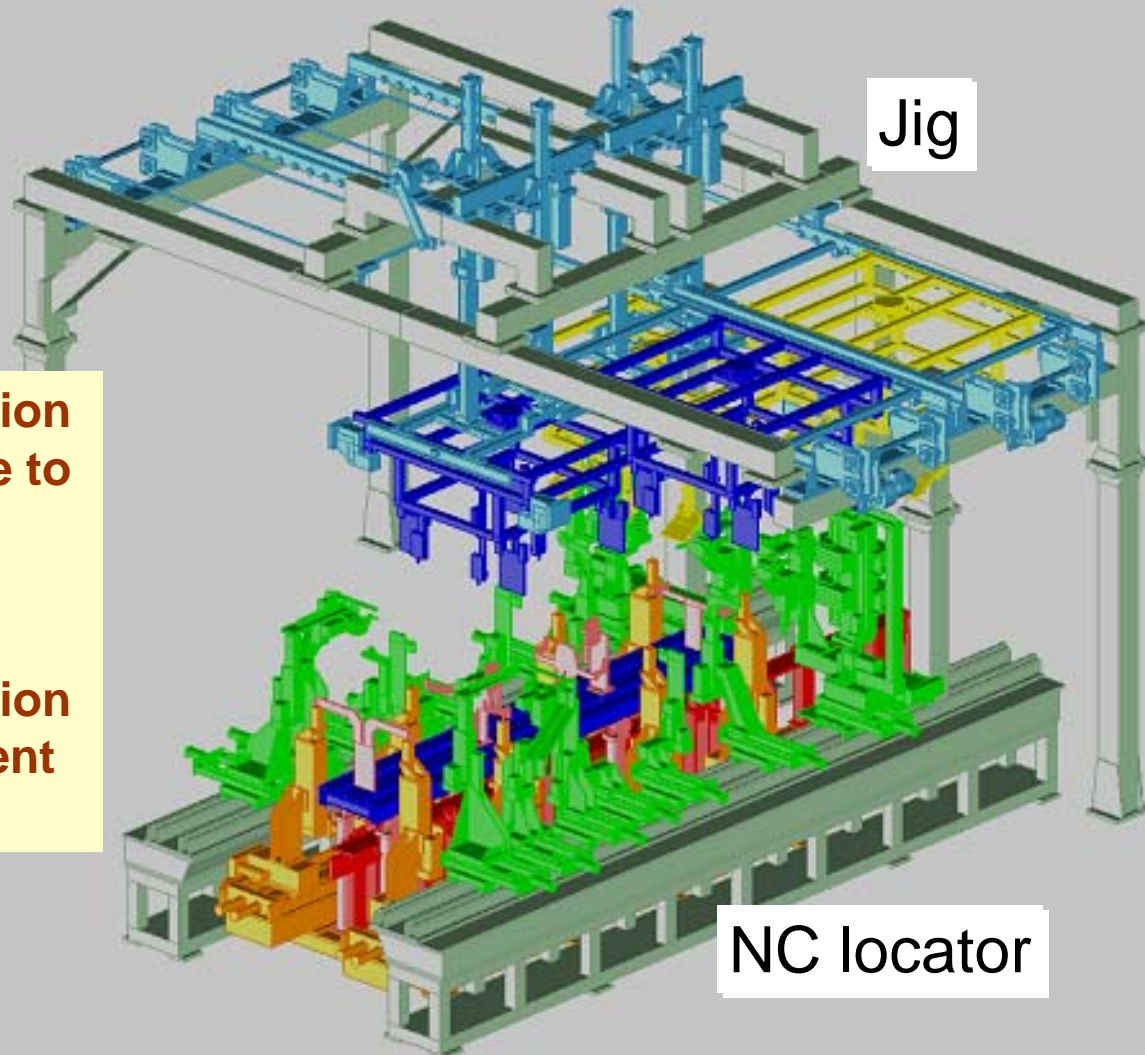
Effects of NIMS

- + **Lead-time Reduction**
- + **Investment Reduction**
- + **Mix Production & Mass Production**

NIMS (Flexibility)

Hybrid body assembly

- 50% reduction of lead-time to introduce additional models
- 50% reduction of investment amount



NIMS (Flexible single line)

Simultaneous die modification in Canton



2400t press and NC machining center