

# IMPLEMENTATION OF NOCA DELIVERY SYSTEM & JEEVES UNIVERSAL ERP

SMARTLOG Seminar 07.03 2012 Sveinung M. Ryen

-A PARTNER FOR LEADING TECHNOLOGY IN ELECTRONICS

# AGENDA

- 1. Who We Are
- 2. Background
- 3. Planning, Execution & Benefit Delivery
- 4. Lessons learned

### 1. Who We Are

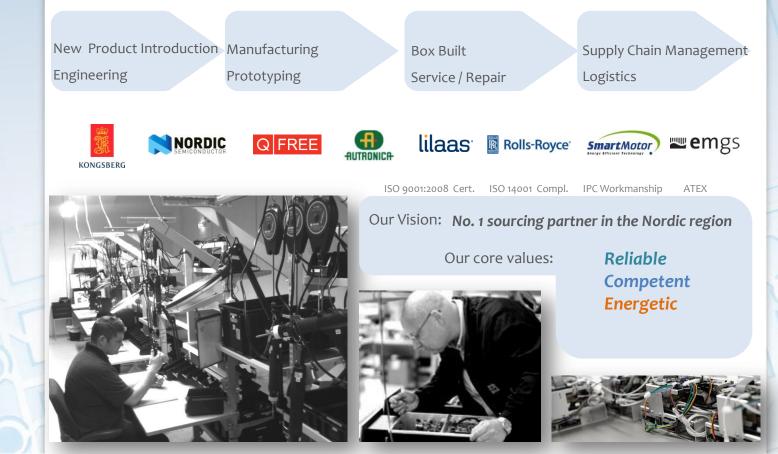
- 2. Background
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Noca provides Electronic Manufacturing Services to leading OEMs as well as high tech startups Adding customer value in maritime, offshore, consumer and industrial segments 50 employees – strong focus on people empowerment 26 years of experience in contract manufacturing

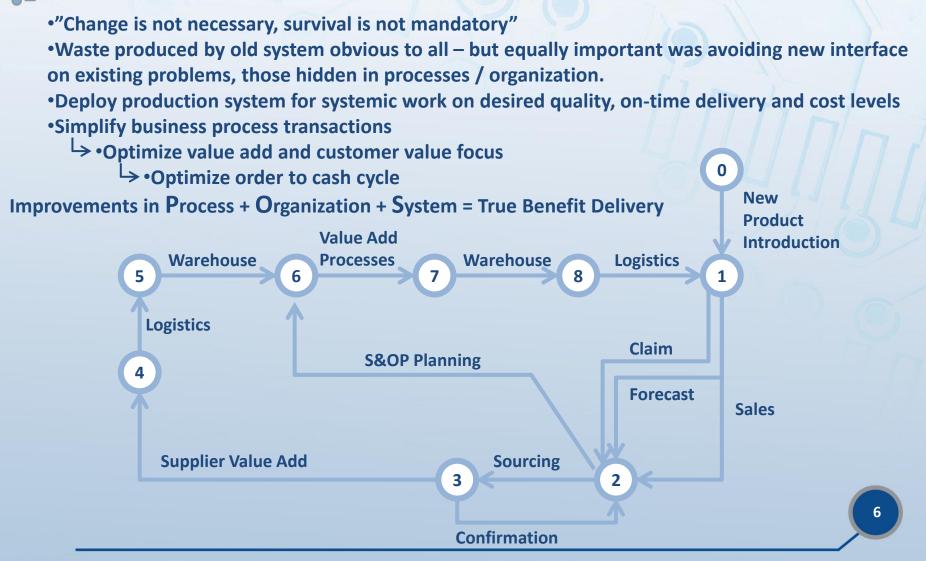


### 1. Who We Are

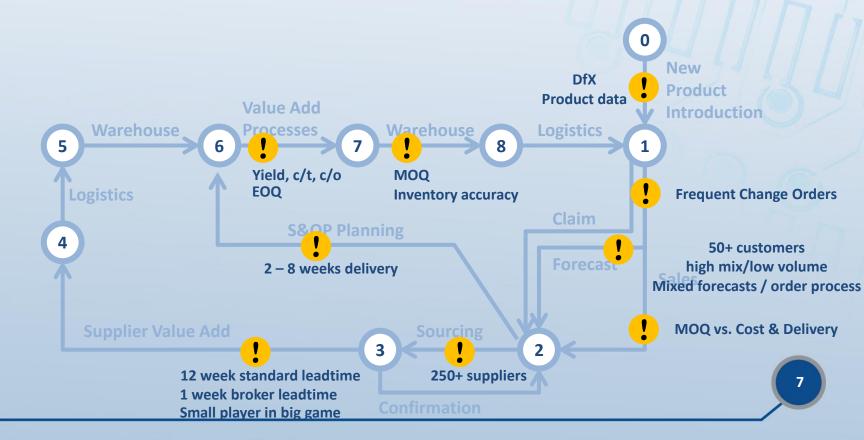
## 2. Background

### 3. Planning, Execution & Benefit Delivery

## The business case for Noca Delivery System & ERP



# **Characteristics**

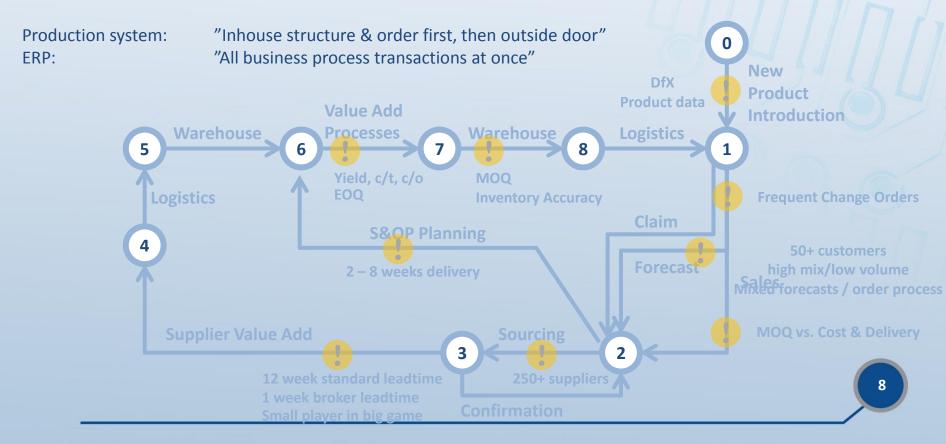




#### Is IT poison to a production system?

Respect for individual / Kamishibai / Kanban / Genchi Gembutsu

#### Balancing right first time ambition with a demanding ERP project

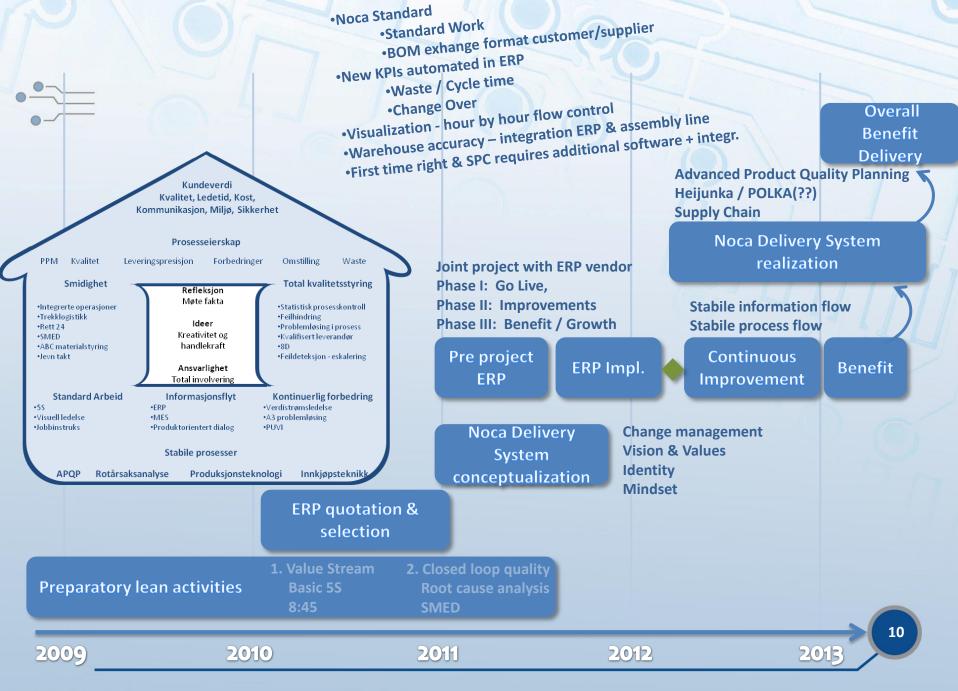


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# E Lessons learned

The importance of reflection and Genchi Gembutsu applies to information flow as well as process flow. Don't let the system do the critical thinking!!

True benefit of ERP comes when knowledge of IT system mechanisms is established, so we dont follow blindly MRP/capacity outputs, but turn around the system selecting how data should be keyd in to improve automatically generated KPIs, rather than trying to understand ERP and shopfloor same time.

Never enough time spent on Mudi and Muri /Mura. Before, during or after an ERP implementation, no matter what stage you are in, improvements benefits the enterprise, but IT resources must be aligned with process resources.

*Kaizen should never be put at rest but you have a problem implementing improvements if business transactional documentation does not exist.* 

IT is a tool as any other tool – a wrench or laser cutter. You need to keep "man, material, method, machine" available for all types of systems to do constant kaizen. The tool will serve you well if you use them well. Avvoid giving the shopfloor ownership to IT consultants! Kaizen important for IT project as any other process introduction

ERP systems are on the verge of getting lean.. but still far from 'perfection' or Jidoka

Should be modular and without a 'mastodont structural core' People themselves should build the processes without ending up overpaying IT support

For a small organization and shopfloor, ERP itself <u>can</u> be enough for 'seeing the whole', but managers must expose abuse/misuse of ERP as any other waste to avvoid people doing their individual parts, in aggregate blind to the system working as whole

Control plan for ERP process as well as production process. Warehouse coworker now doing internal accounting Director joined desk at purchase department for a while

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ERP have to be combined with a (soon to come?) affordable MES to accomplish Noca Delivery System

ERP support 'customer value', supply chain, visualization and KPI, but realtime scheduling and Cpk requires MES

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Facing the paradox of a small organization trying to implement lean constructions fitted for large JIT organizations

# **Thank You!**

Journey Scrapbook



Before:

After:

Before:

After:





Processes finally on screen! Training & supervising

Night before Go-live(!)

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