

# Interfacing Systems

## Marine/Offshore with Shore based ERP



**SAIKAT BASU**  
**MANAGER, MARINE SYSTEMS**  
**HELIX ESG**

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# Saikat Basu



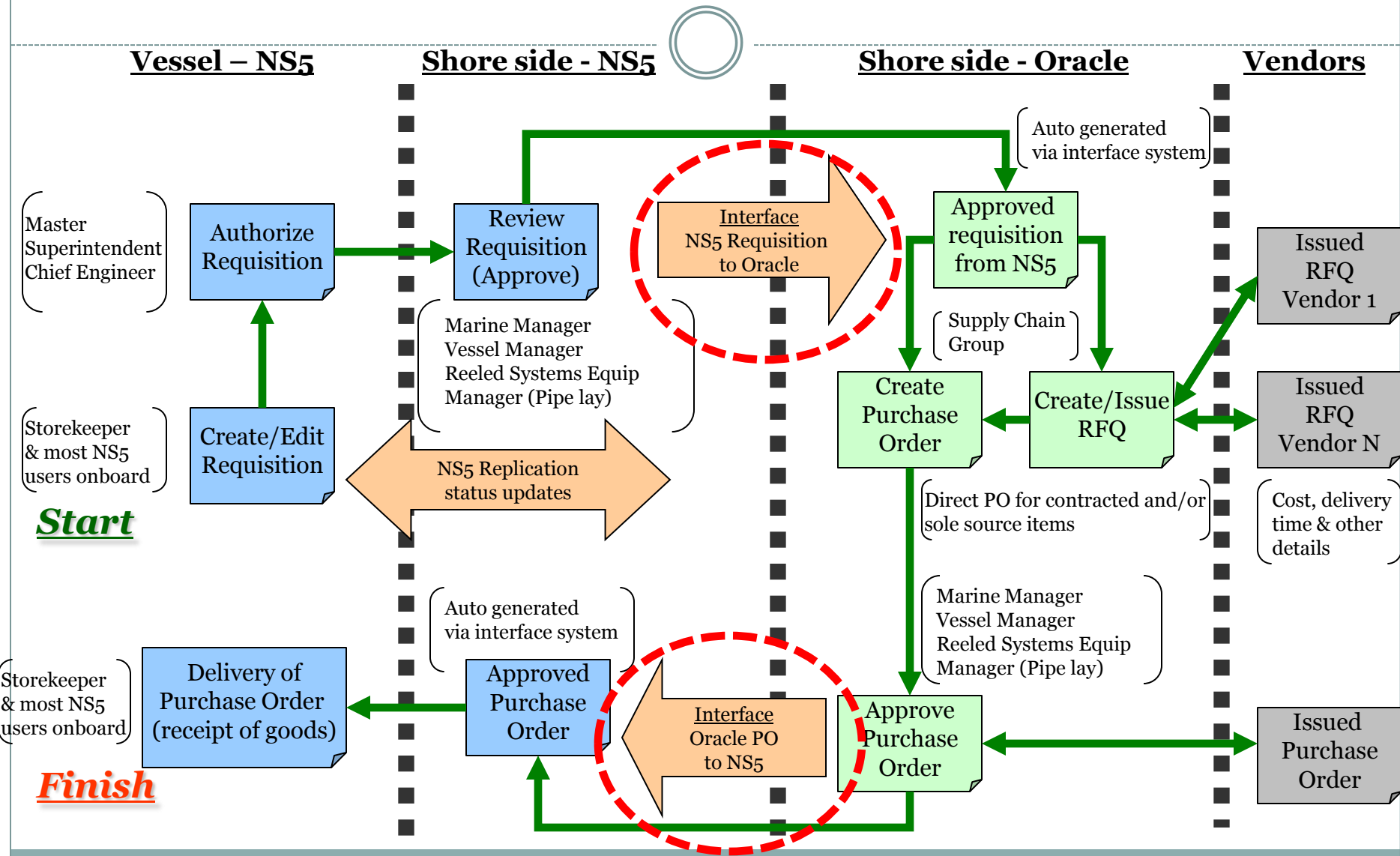
- Manager, Marine Systems with Helix ESG
- System Administrator and Business Partner with major oil and energy company
- Product Consultant Specialist with leading Maritime Software Provider
- Sailed as navigating officer on oil tankers, LPG and chemical carriers
- Experience with multiple major shipping companies worldwide, implementing vessel management systems

# Common Industry Traits



- With innovations in ship-shore communications, need for more real time information exchange
- Project definition
  - Scope (avoid creep, evaluate cost benefit for changes)
  - Expectations (various users groups, post implementation support)
  - Resources (during and after implementation)
  - Back up plan
- Defined and documented processes
- Outsource or develop in house
- Change management (avoid conflicts, complement both sides)
- Upper management commitment
- Post implementation support (upgrades, compatibility issues etc.)
- Feedback and fine tune

# Case Study: HELIX ESG Oracle – NS5 multiphase interface



# Project details



- Oracle – app version 11.5.10, DB 10G
- NS5 started with version 5.3 now on 5.4
- Scope for Helix – 7 vessels, 3 remote offices
- Main modules implemented – Maintenance, Purchasing, AP and Compliance
- Outsource development and procure off the shelf solution

# Project Details



- Need for near real time information exchange
- Need for consolidated information source
- Develop and document common processes
- Groups involved: IT, Operations, Supply Chain, AP.
- Project timeline: 8 months
- Project budget: Within CapEx and Expense, per project plan

# Project details



- Major project divided into smaller interrelated and dependent tasks
- Vessel and off-shore personnel involved from the start along with various business units
- Weekly status update meetings with Management
- Work closely with software vendors
- Extensive testing and sign off from major stakeholders
- Detailed documentation and extensive training



# Challenges



- Coordination between multiple business units located globally
- Data / Information gathering and loading
- Data definition to compliment process flow
- Version control between systems
- Training and post implementation support

# SDLC – Systems Development Life Cycle



What we should avoid, lost in translation.....

# User Requirements



**How the  
User  
explained  
it.**

# Development team system design



**How the  
Dev Lead  
designed it.**

# Sales

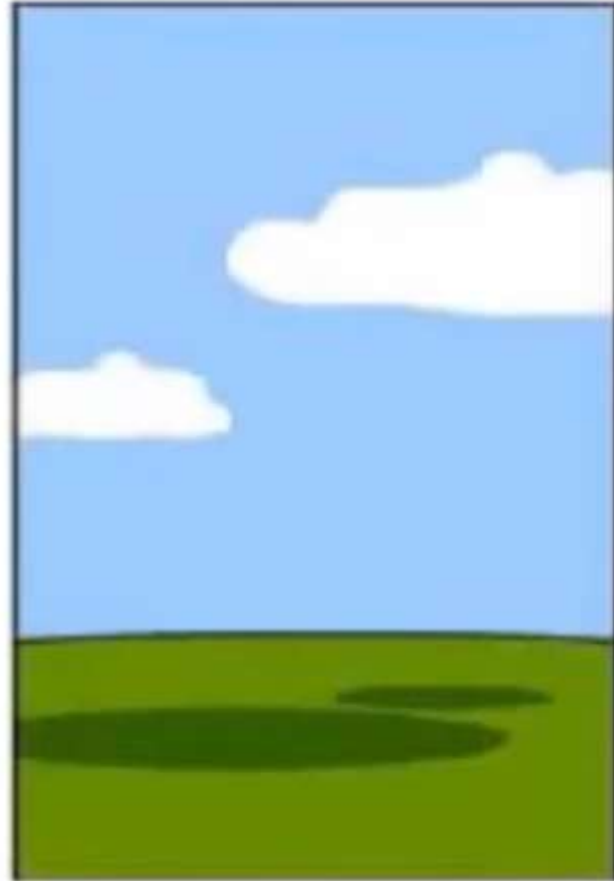


**How the  
Project  
Manager  
described it.**

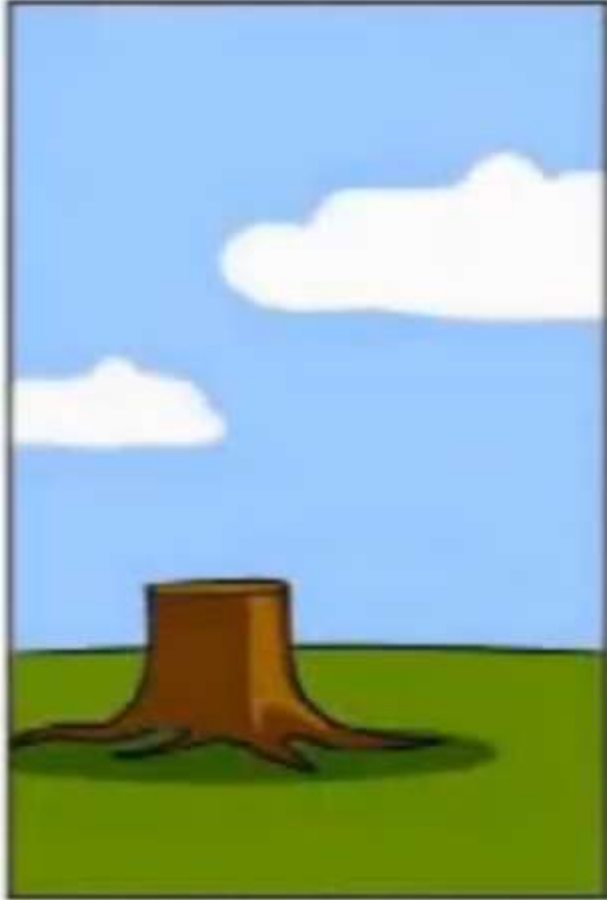
# Documentation



**How the  
Project was  
documented.**



# System support



**How it was  
supported.**

# Project scope, original requirements



**What the  
Client  
really  
needed.**



Thank you.



Questions, comments?