



# Optimizing IT for clinical trials

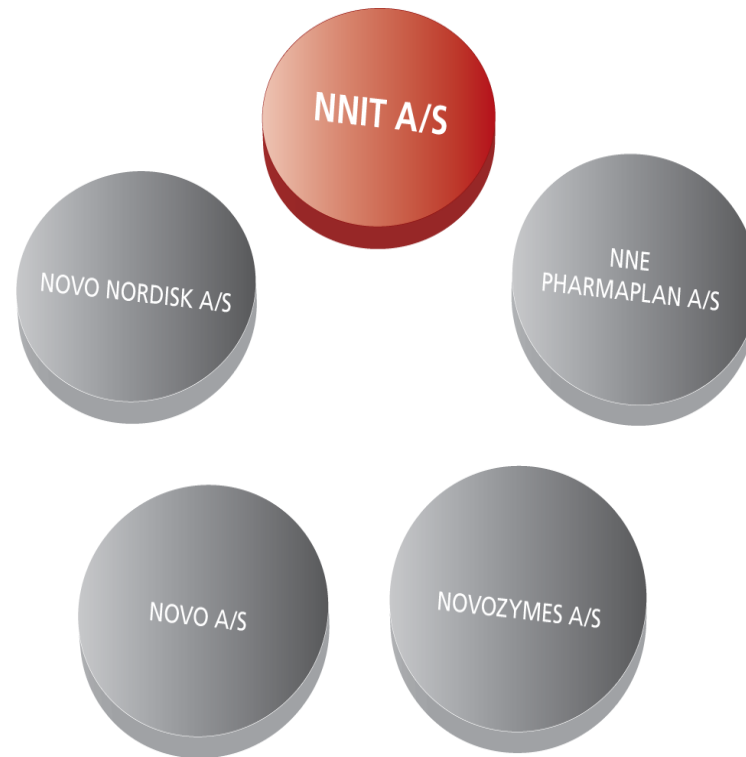
Sweden Bio, Stockholm

October 2nd, 2008  
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**nnIT**

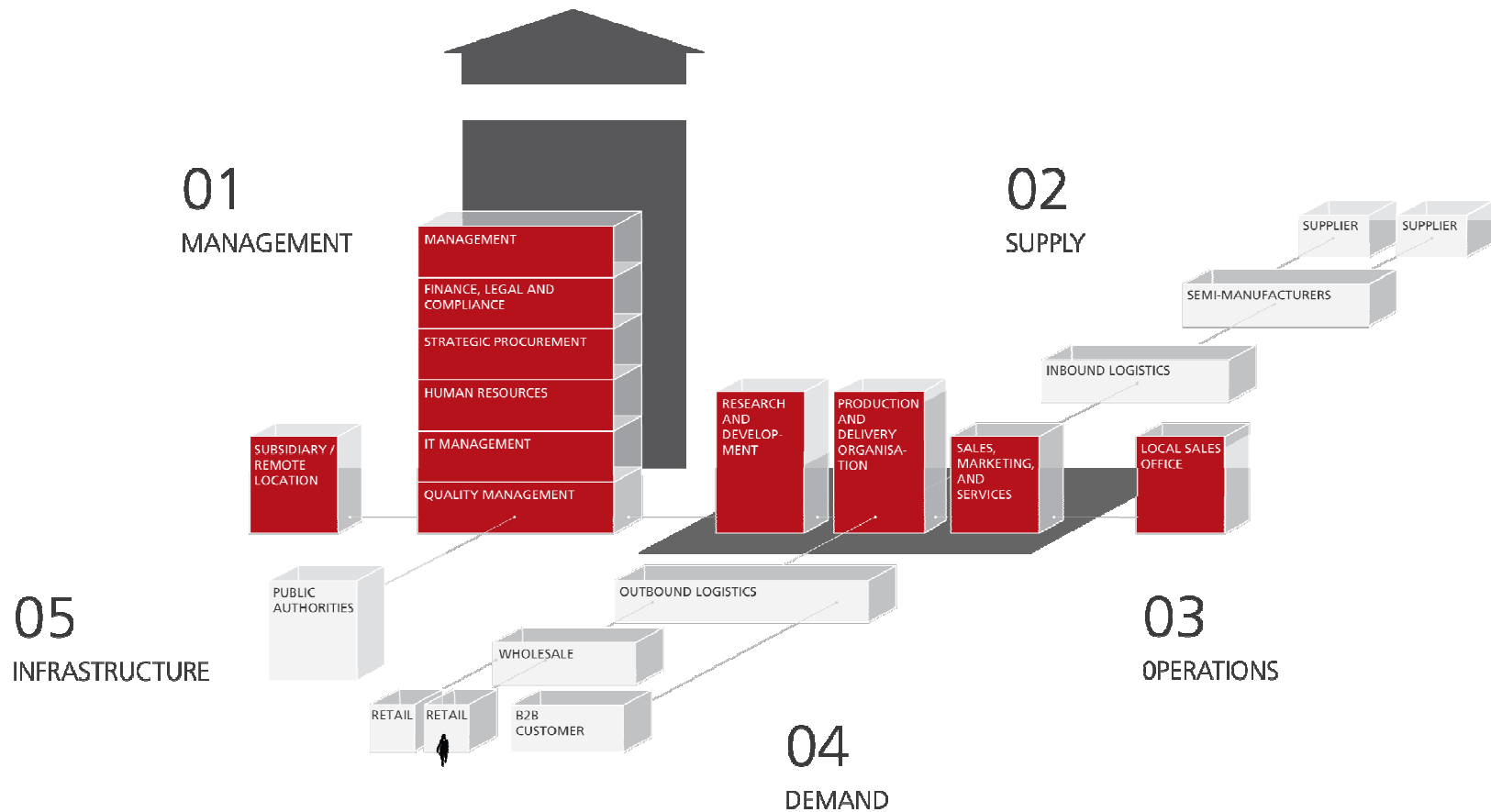
# History

- '07 NNIT OPENS OFFICE IN AARHUS, DENMARK  
NNIT REACHES 1000 EMPLOYEES  
PER KOGUT BECOMES CEO
- '06 NNIT'S TURNOVER EXCEEDS DKK 1 BILLION  
NNIT OPENS OFFICES IN THE CZECH REPUBLIC AND CHINA
- '05 NNIT PASSES THE 200-CUSTOMER MARK
- '04 CHANGE OF NAME TO NNIT
- '03 NOVO NORDISK IT PASSES THE 100-CUSTOMER MARK  
NNIT SWITZERLAND IS ESTABLISHED
- '99 NOVO NORDISK IT IS ESTABLISHED AS A LIMITED COMPANY
- '97 ISO 9001 CERTIFICATE
- '94 NOVO NORDISK IT IS FOUNDED



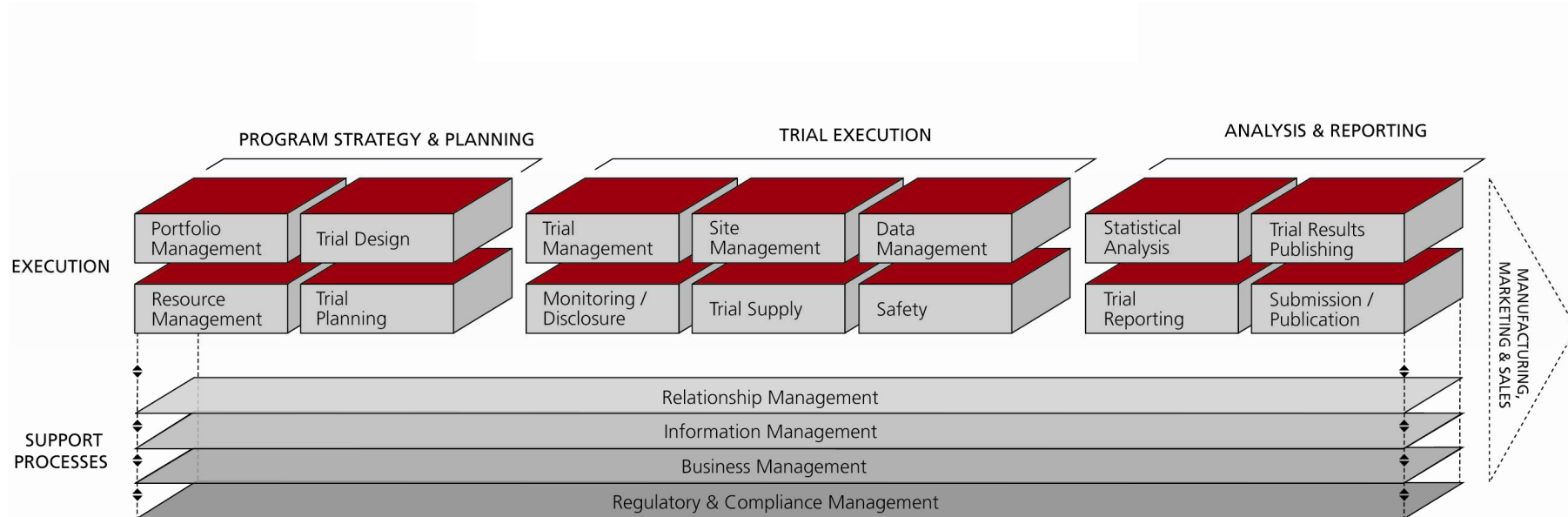
# NNIT provides IT and consultancy services

- covers the entire value chain in pharmaceutical development



# Clinical Development Overview

## Pharmaceutical industry processes



# NNIT – focus on 7 offerings to create excellence in clinical development processes

1. Clinical process optimisation (eClinical)
2. Ensuring sustained IT compliance
3. Smooth clinical IT application services
4. Fast Electronic Submission
5. Efficient management of Clinical Trial Registration
6. Efficient analysis and reporting
7. Pharmacovigilance process optimisation



# NNIT approach



# eClinical delivery approach

The eClinical methodology is used for improvement projects as well as initial set-ups and is split into 3 phases with the following objectives and major deliveries:



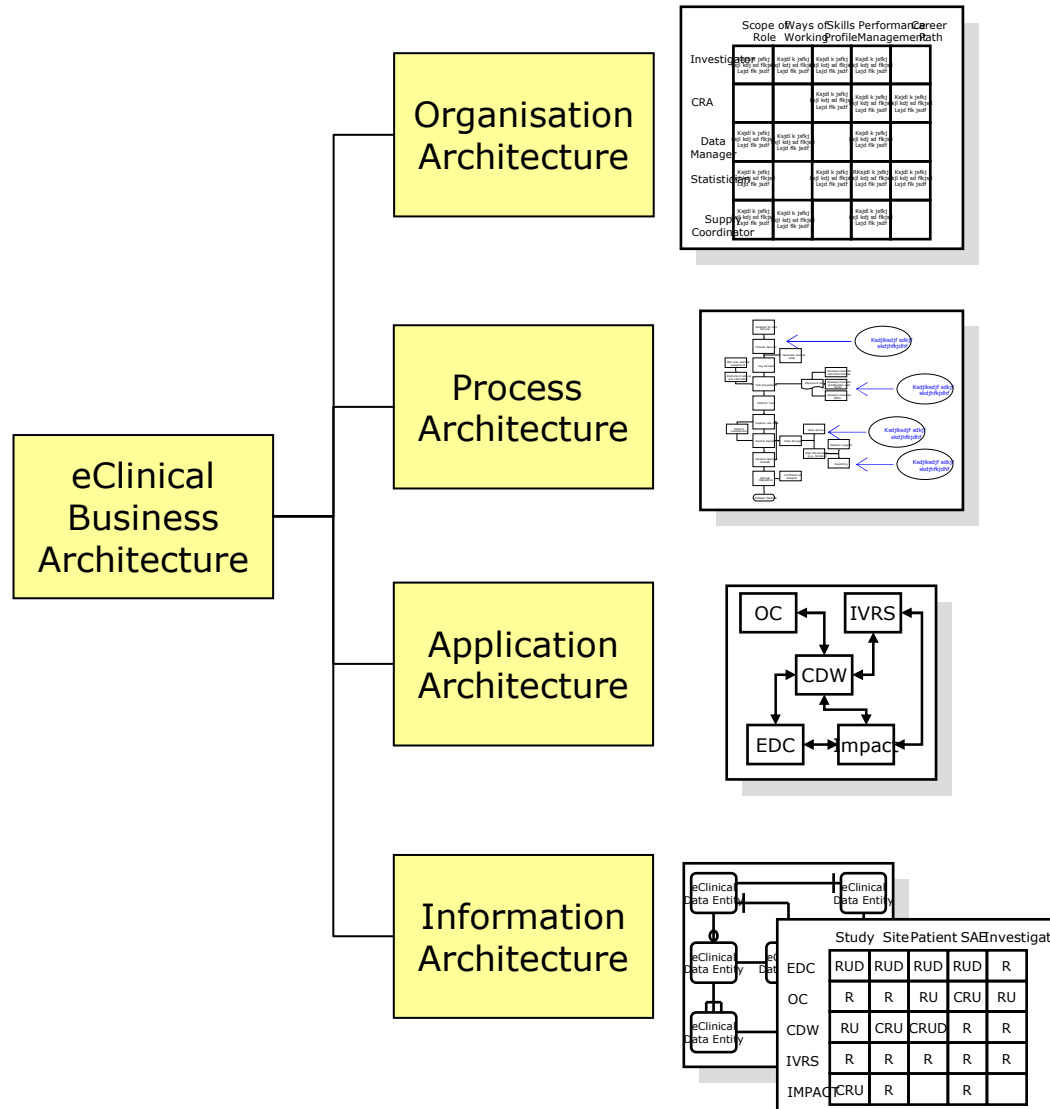
- Drivers
- Working statement of level of ambition
- Scope
- Benefits

- Vision
- Architectures
- Roadmap & priorities
- As-Is
- To-Be
- Gap analysis
- Business case for each opportunity for Phase 3
- Risk assessment

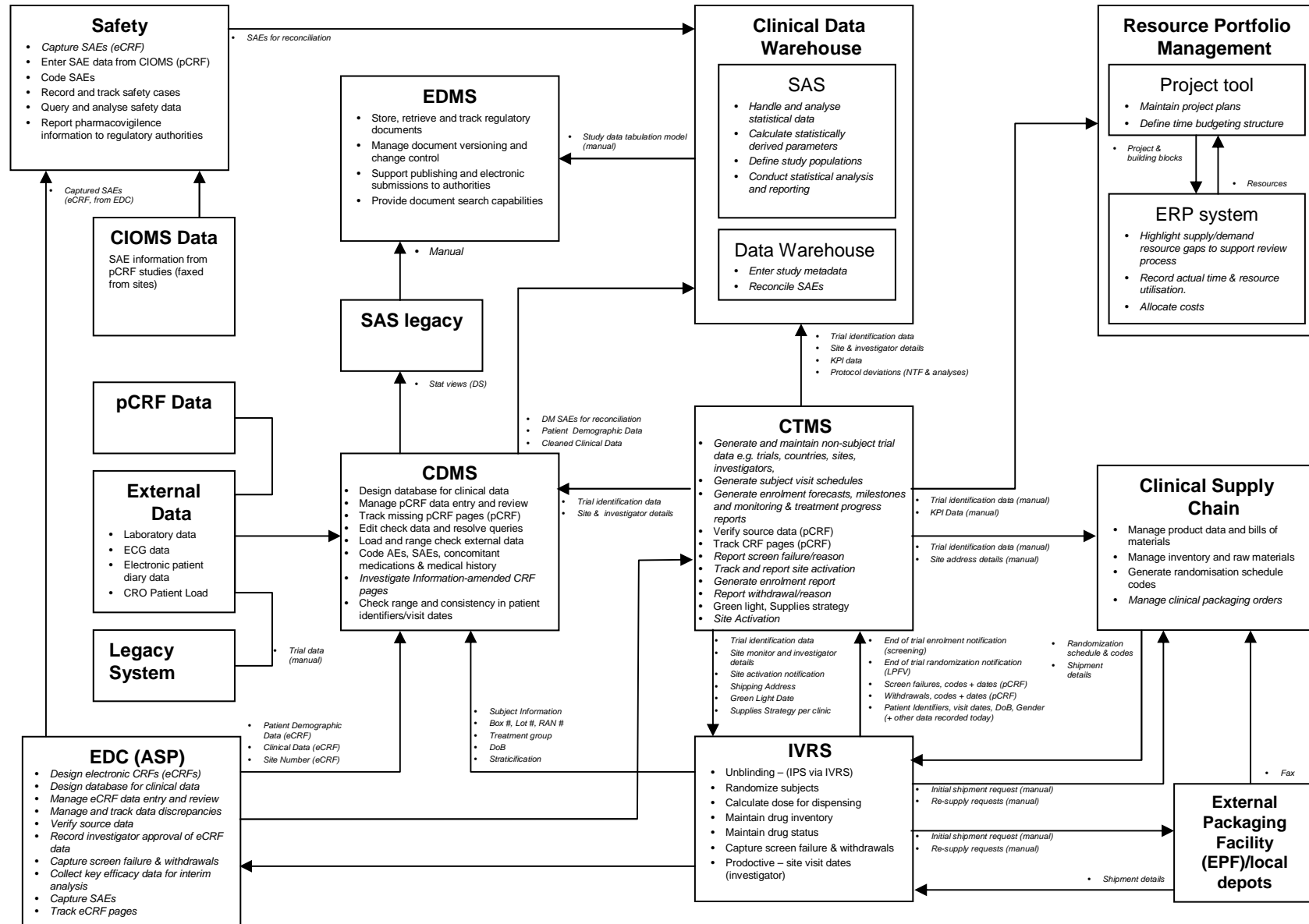
- Specification
- Vendor selection
- Implementation
- Roll-out
- Organizational Change Management
- Support Structures

# Enterprise Business Architecture

## - Components



# eClinical Application Architecture



# Its also about standards!



- **Standards**
  - Inputs, Outputs, Formats, Structures (CDISC)
- **Processes**
  - Well defined & efficient, that produces reliable results without requiring superhuman effort!
- **Systems**
  - Tools to facilitate, automate, integrate the processes, leverage the standards and allow us to use our "human" resources to best advantage

# Questions and Discussion



# Key contacts

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