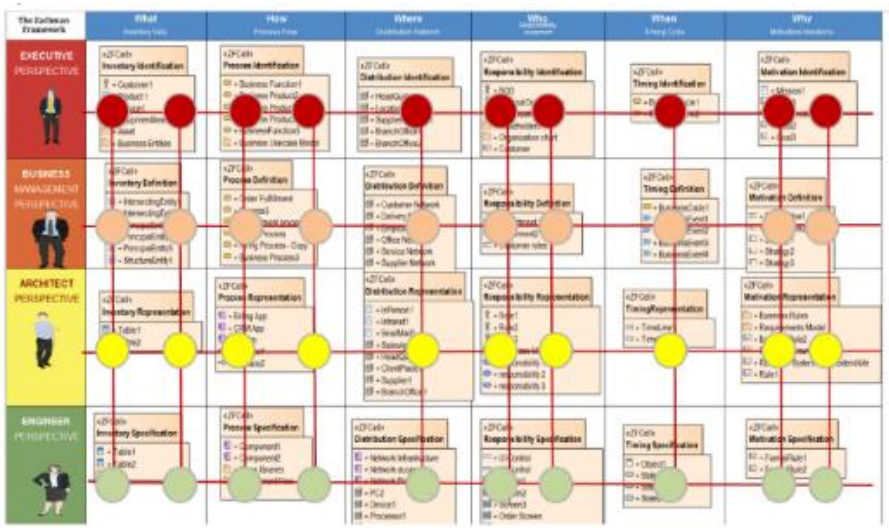
Enterprise Anatomy



Architecture Solutions

Process automation

Digital Transformation

Cloud Solutions

IoT Solution

New Disruptions

2017 IT Business Software – current challenges

- New systems becoming legacy faster..
- 'Around 9 out of 10' of key projects simply do not respond to change and complexity within 4-6 months of first release
- Meaning all your time and money spent in developing software using latest and hottest technologies are lost in a sea of unanswered conversations.
- Most of the cases, software development teams are using new buzzwords that promises results by IGNORING engineering steps
- There is growing desire of decision-makers to directly interact with IT workforce to innovate, and create disruption in their market place.
- IT team lacks the necessary skill to communicate and explain how technology can bring business benefits
  - IT team is proficient in explaining DB model, messaging infrastructure, hardware and software components
  - How to link "new asynchronous messaging model" with "increased customer satisfaction"
  - They are not able to explain how does use of new asynchronous messaging model can improve background processing → reduce manual controls→platform integration→ Claim processing → Policy processing→ Increased productivity → Increased customer satisfaction

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2017 IT Business Software – current challenges

- New systems becoming legacy faster..? Where is the problem?
- In 2017, after evaluating around 300 IT Projects around ICMG IT Architecture Methodology,
- It's interesting to know that
  - <10% of projects had business process models,
  - System requirements completeness is 40-50%,
  - Logical models (Functional, Data, UI, Network,, Time, Rules) is 10-20% coverage,
  - Technical (Specification) Models (Functional, Data, UI, Network, Time, Rules), 10-20% coverage
  - Traceability, impact analysis, are missing.

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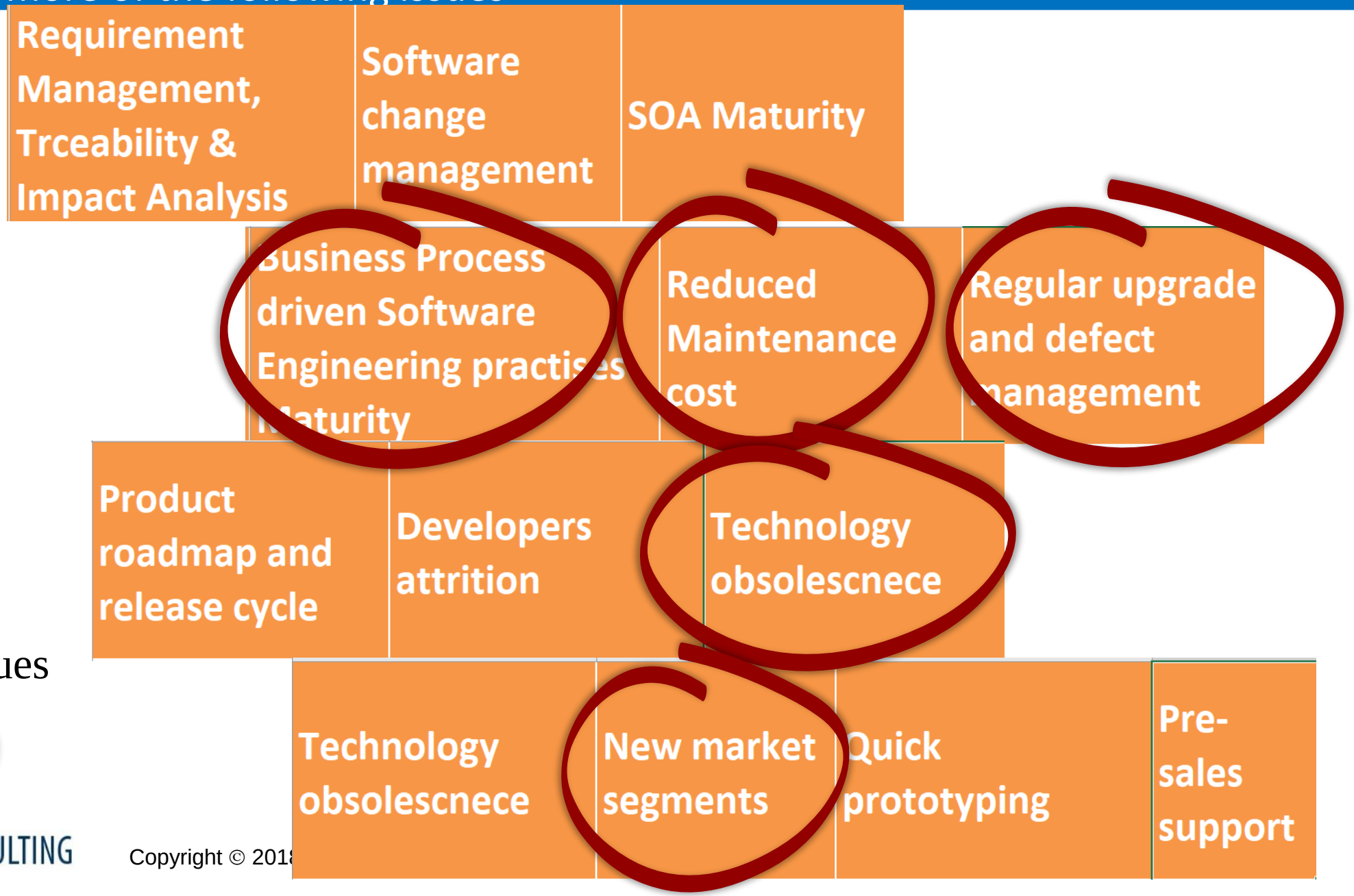
Companies are still struggling to use Architecture to address one or more of the following issues



Major issues

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Enterprise and IT strategies of BFSI Organizations

- The “rationalize, standardize and simplify” IT strategy forms basis of several Banks right now.
- Creating digital facilities such as Interactive games facility, fun financial literacy, interactive financial tools e are in thing.
- There is a need for centralized solutions for the components around Master Data, Financial Data, integrated with up-stream and downstream systems across Finance, Regulatory, Risk, Data Integration, Ops & Fund Accounting,
  Financial Control, Corporate Finance
- Growing interest to reach out to new customers
- Significantly shortens the time-to-market to add new business

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In 2017, we looked at the IT Architecture of some of the projects of leading BFSI institutions

PT. Bank DBS Indonesia	TAL Australia	Australia, APAC
Maybank, Malaysia	ANZ Indonesia	
Credit Suisse USA	S&P Capital IQ, USA	USA
Nationwide, USA		
Nedbank, South Africa	Credit Suisse Switzerland	EMEA
ING Bank Belgium		
GE Capital , India	ICICI Bank Ltd, India	India

BFSI Enterprises and their IT initiatives that is making a difference…

- Infrastructure Rejuvenation
- Mobile Banking
- Comprehensive Capital Analysis & Review (CCAR) requirements
- Debt processing function
- Virtual Database Platform Initiative
- SOA Implementation
- Centralized repository
- CAPS - Collection Activities Processing Sy
- Digital Interactive Facilities
- Private Banking (PB) Risk systems
- Risk Design Authority (Risk DA)'
- Application Simplification
- moves from 220 to 60 core systems

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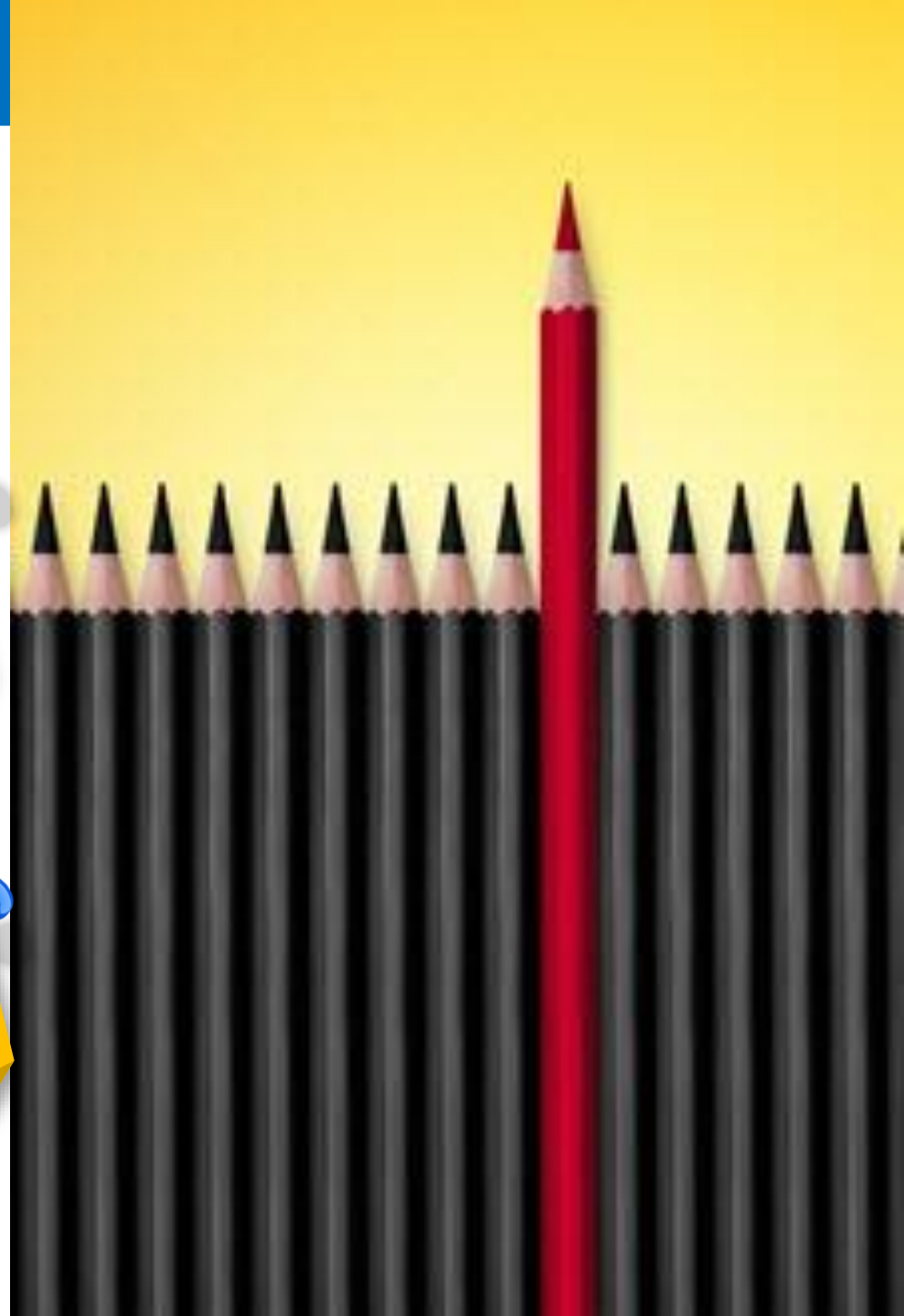
BFSI Enterprises and their business goals that is making a difference…

- Support the future growth of banking business
- Orientation to digitize the banking service for customers.
- Deliver Customer Excellence
- Promotion based on merchant category
- Real time interbank fund transfer and some unique credit card features
- Integrating Private Banking & Wealth Management services
- Reduce the amount of time it takes to gather information, understand, strategize, & create technology changes.
- Reduce the amount of time and domain experts required for impact assessment
- Reduction in project costs, better insight t… scope of proposed changes



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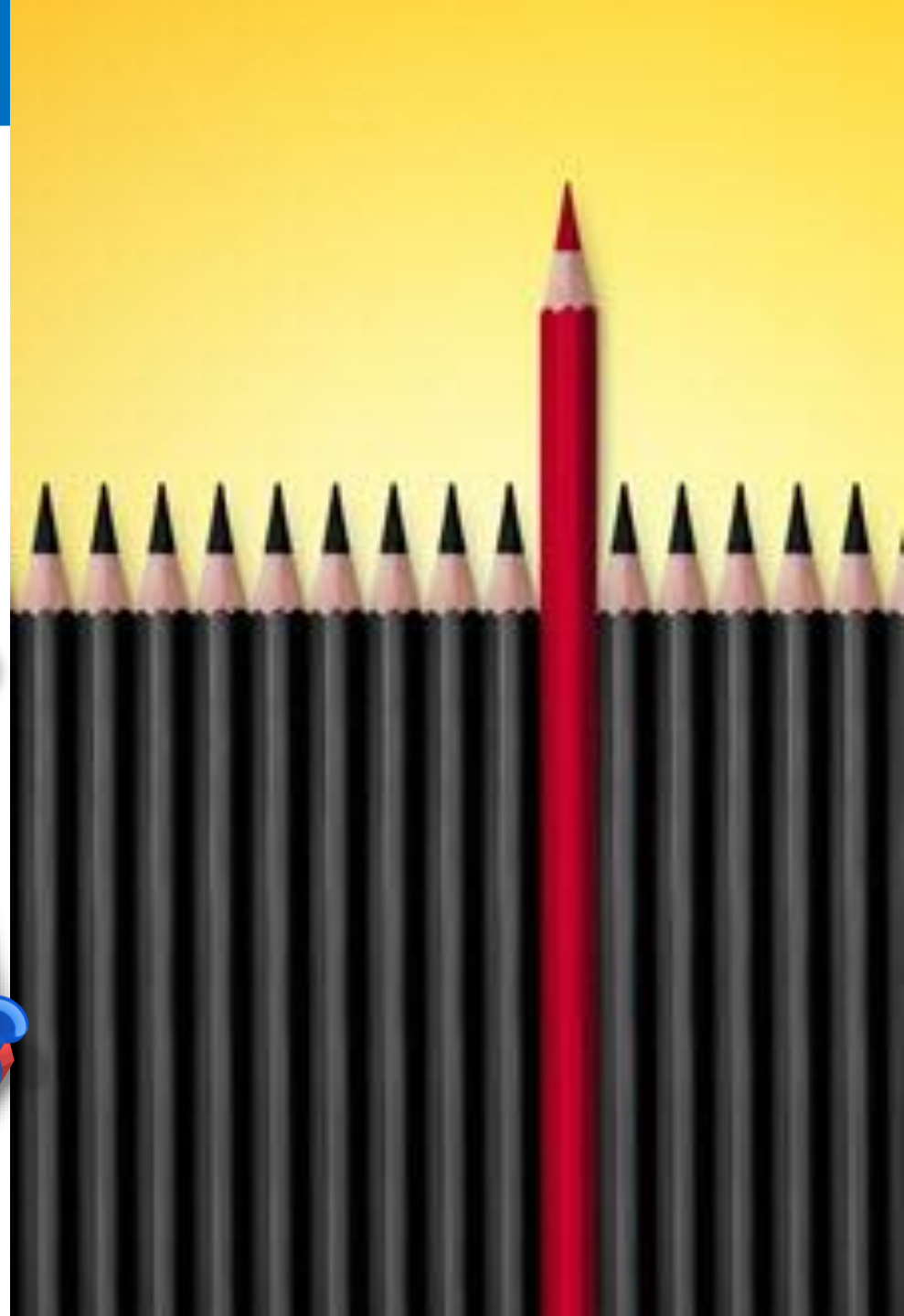
BFSI Enterprises and their business goals that is making a difference…

- New functionality can be delivered quickly and with fewer resources
- Brought down maintenance costs
- Significant improvement in productivity
- Bank able to respond with agility to market pressure and client demand
- Increase in Business volumes
- Improving banking penetration in rural area
- Better debt servicing touch points
- Increased operational efficiency
- Best product to be offered to customer with the high accuracy level



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Multiple projects, multiple banks

Infrastructure Rejuvenation

Project 1

Mobile Banking

Project 2

Comprehensive Capital Analysis & (CCAR) requirements

Project 3

Debt processing function

Project 4

Digital Interactive Facilities

Project 5

Private Banking (PB) Risk systems

Project 6

Risk Design Authority (Risk D

Project 7

Application Simplification moves from 220 to 60 core syste

Project 8

Virtual Database Platform Initiative : SOA Implementation

Project 9

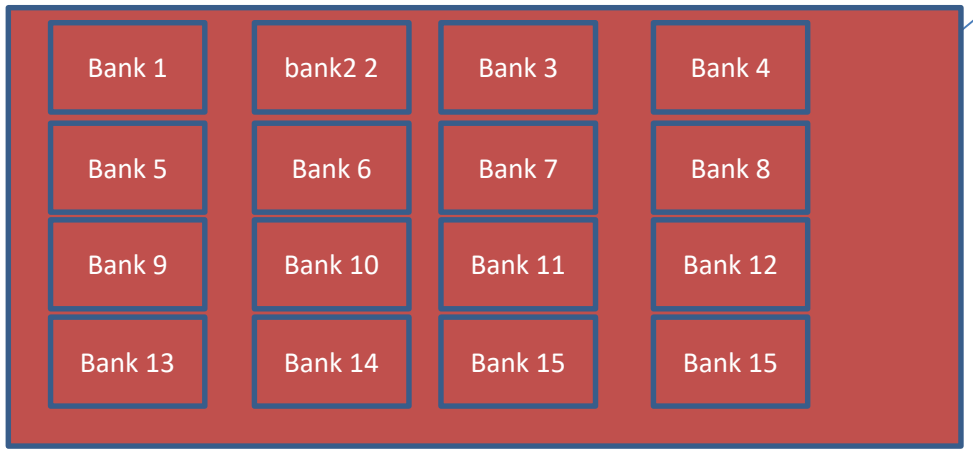
a centralized repository

Project 10

Project 11

CAPS - Collection Activities Processing System

Project 12



Imagine all the projects for a single bank,
(parallel projects, often projects are done in isolation)

Infrastructure Rejuvenation

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Comprehensive Capital Analysis & (CCAR) requirements

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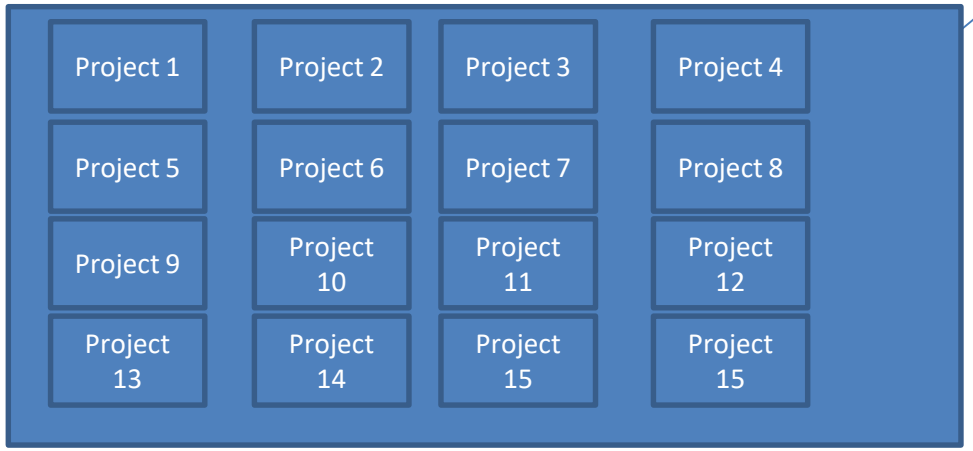

Imagine all the issues for a single bank, the solution is multiple projects (parallel projects, often projects are done in isolation)

Infrastructure Rejuvenation

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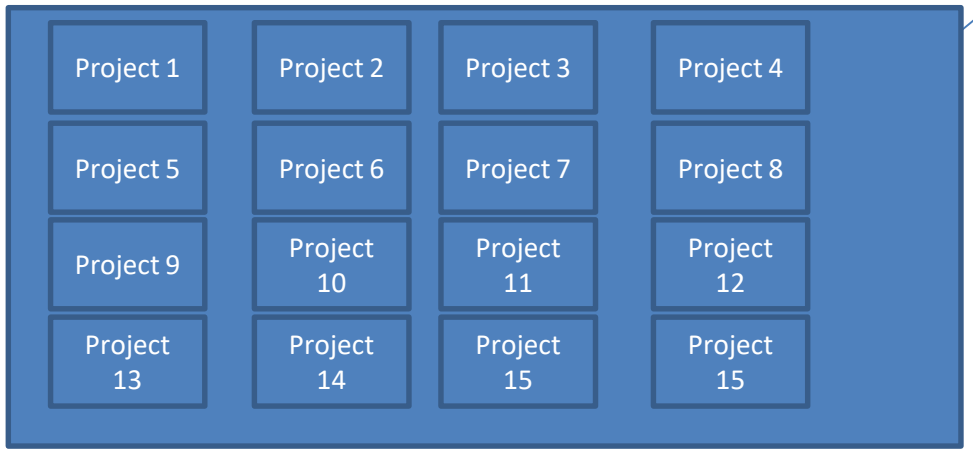

Assumption : absence of a single, common IT anatomy or Enterprise Anatomy

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NEW Understanding

Old understanding

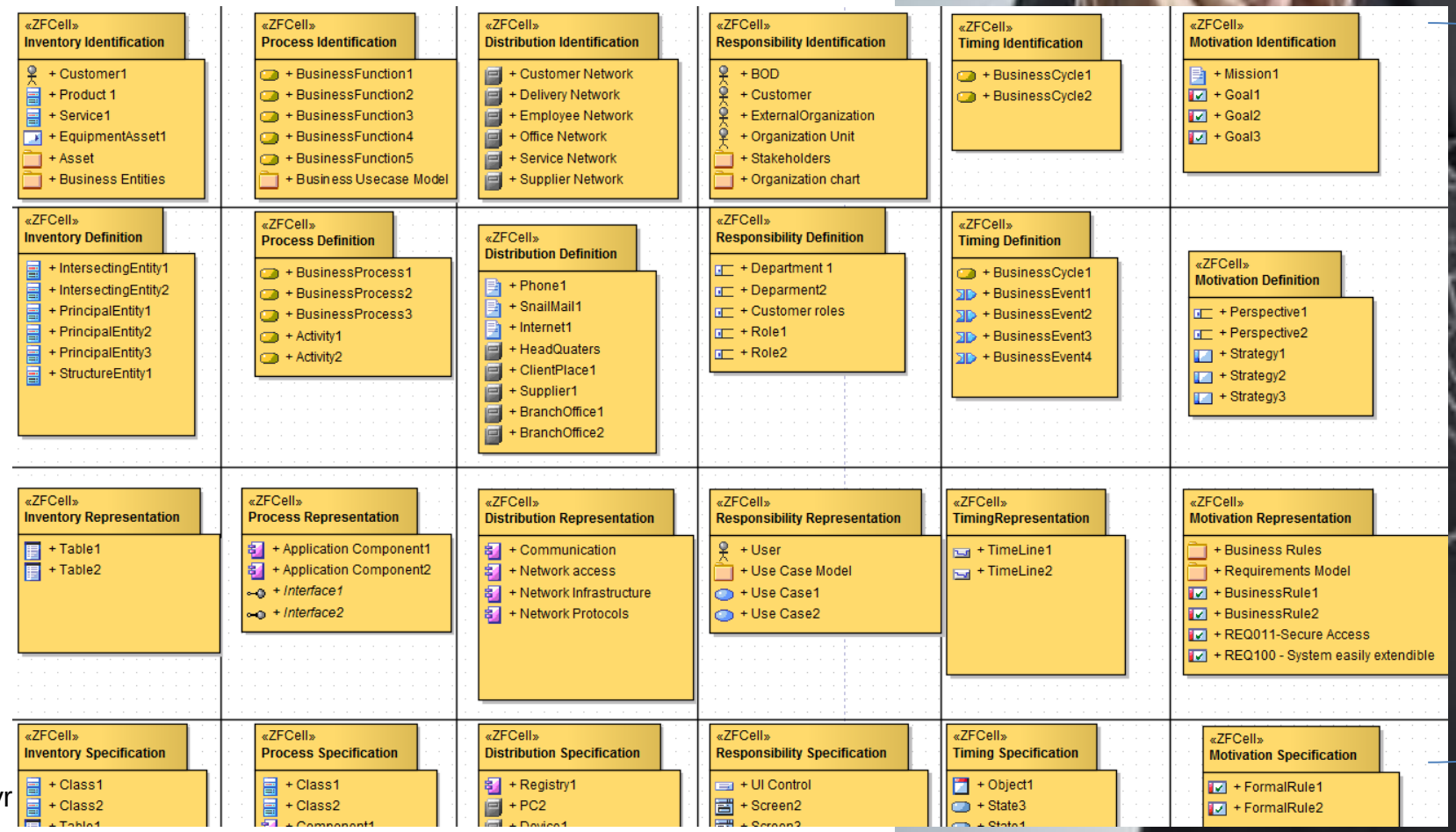
Assumption : absence of a common IT anatomy or Enterprise Anatomy

NEW understanding

Reality : presence of a common IT anatomy, Enterprise Anatomy

NEW understanding

Reality : presence of a common IT anatomy, Enterprise Anatomy



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ICMG Enterprise Anatomy – a definite way to address multiple solutions

Infrastructure Rejuvenation

Mobile Banking

Comprehensive Capital Analysis & Review (CCAR) requirements

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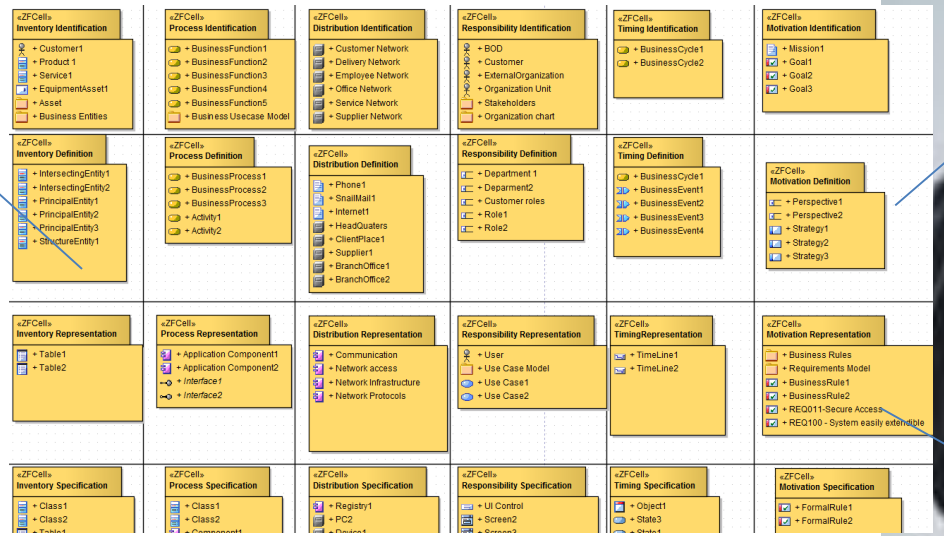

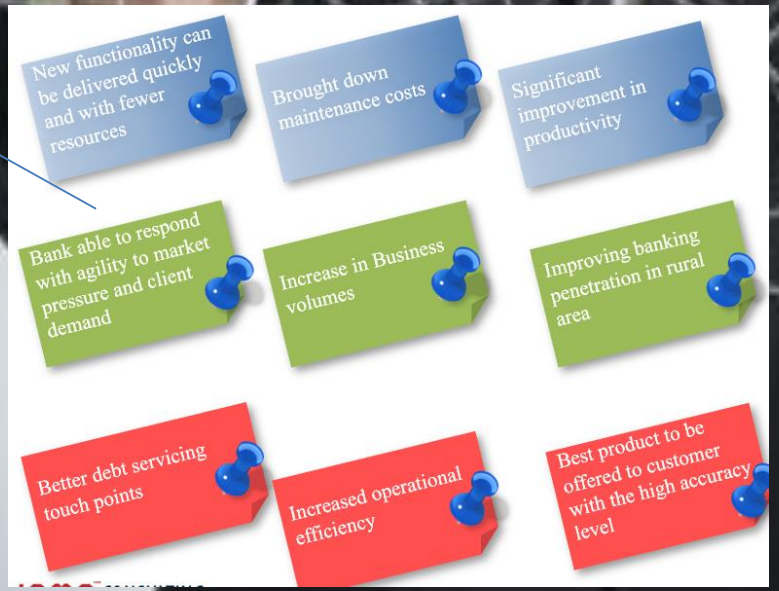

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How it works?

Anatomy Driven Solution

Case I – Review the architecture of SOA Implementation

Current Architecture Focus

: SOA Implementation

Architecture Model (Diagrams)

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Case I – Review the architecture of SOA Implementation : sample artifacts, diagrams

Current Architecture Focus

: SOA Implementation

Architecture Models (Diagrams)

System requirements
Some use cases
Process models,
Data models,
UI models,
Component model
Service descriptions
Code implementation

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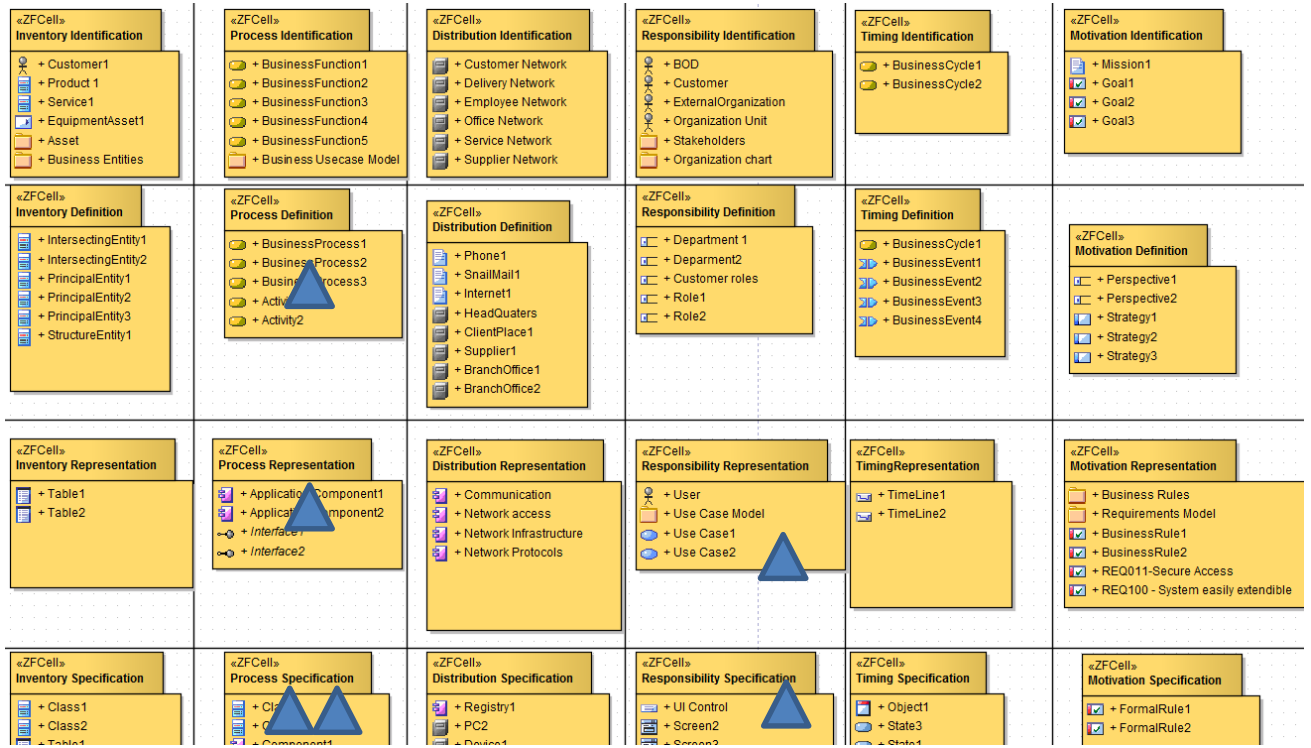
Case I – Review the architecture of SOA Implementation : gap analysis

Current models

System requirements
Some use cases
Process models,
Data models,
UI models,
Component model
Service descriptions
Code implementation

★ Only a limited set of models are created, very small set of anatomy model

Anatomy models



▲ Models which are typically created in a project

Case I – SOA Implementation : Transformation to Enterprise Anatomy Model

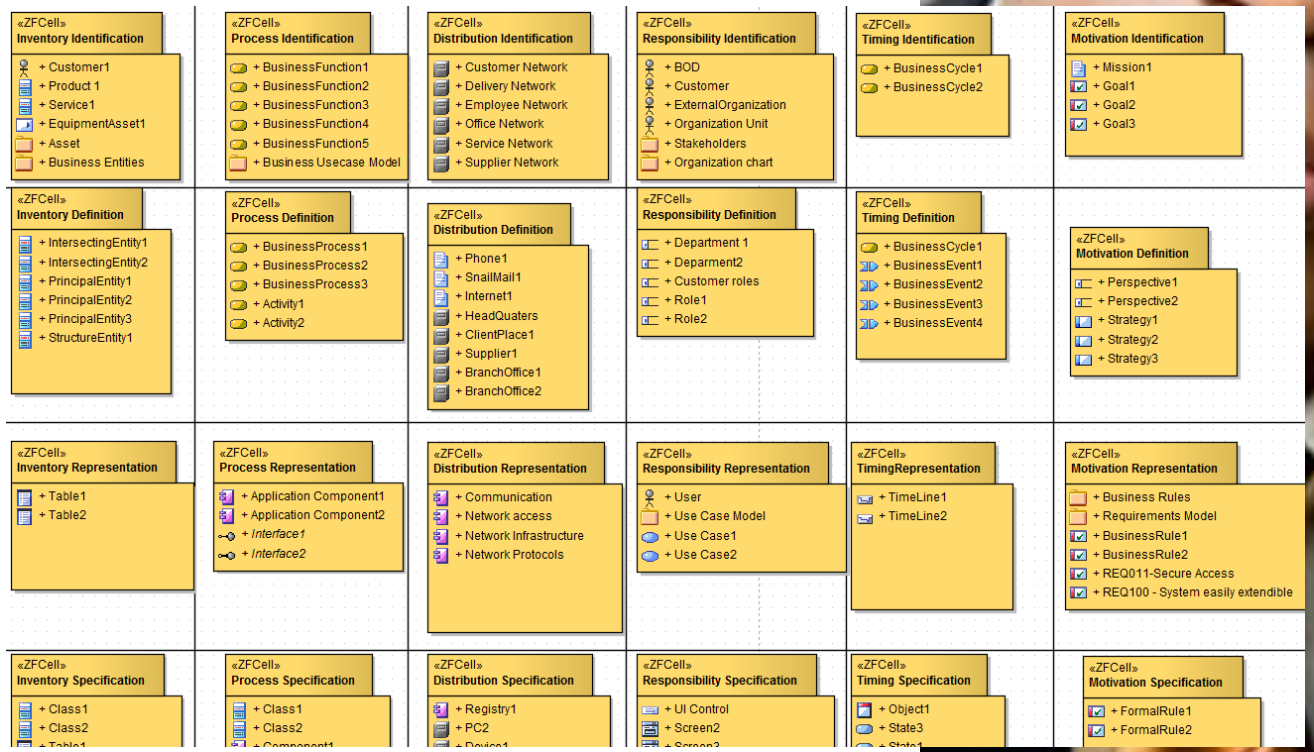
Current Architecture Focus

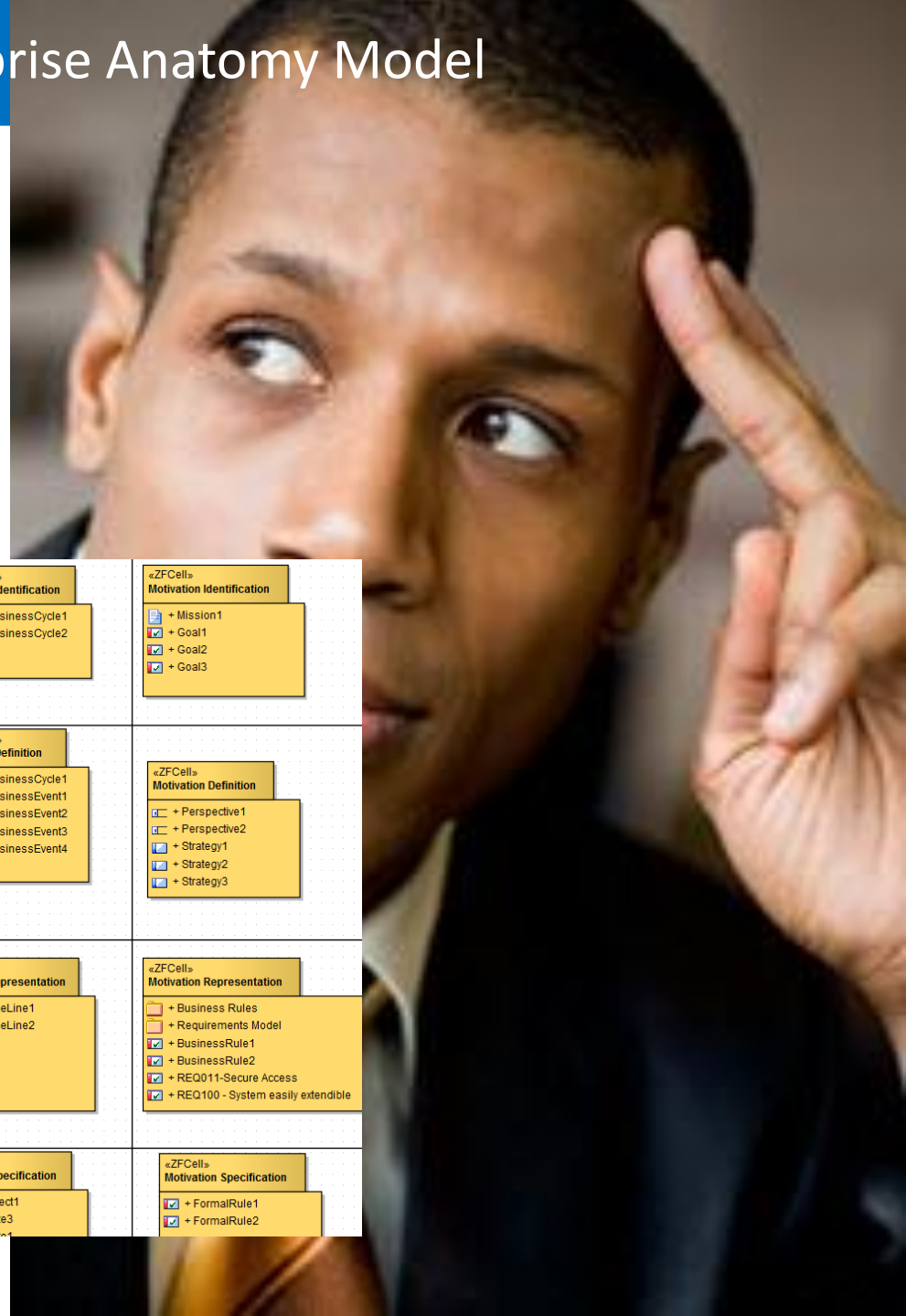
: SOA Implementation

New Focus : Enterprise Anatomy Driven Solution

: SOA Implementation

Architecture Model





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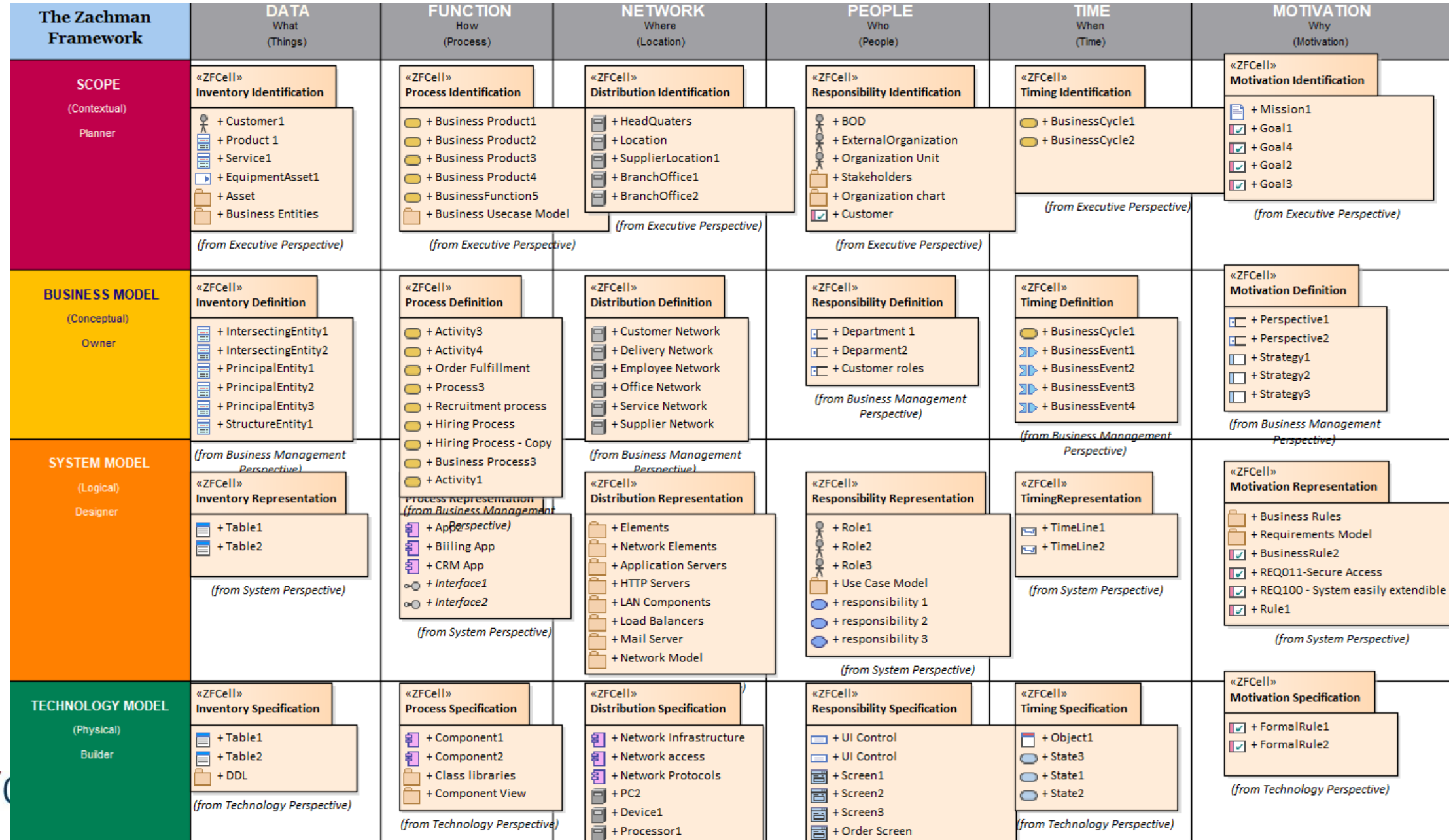
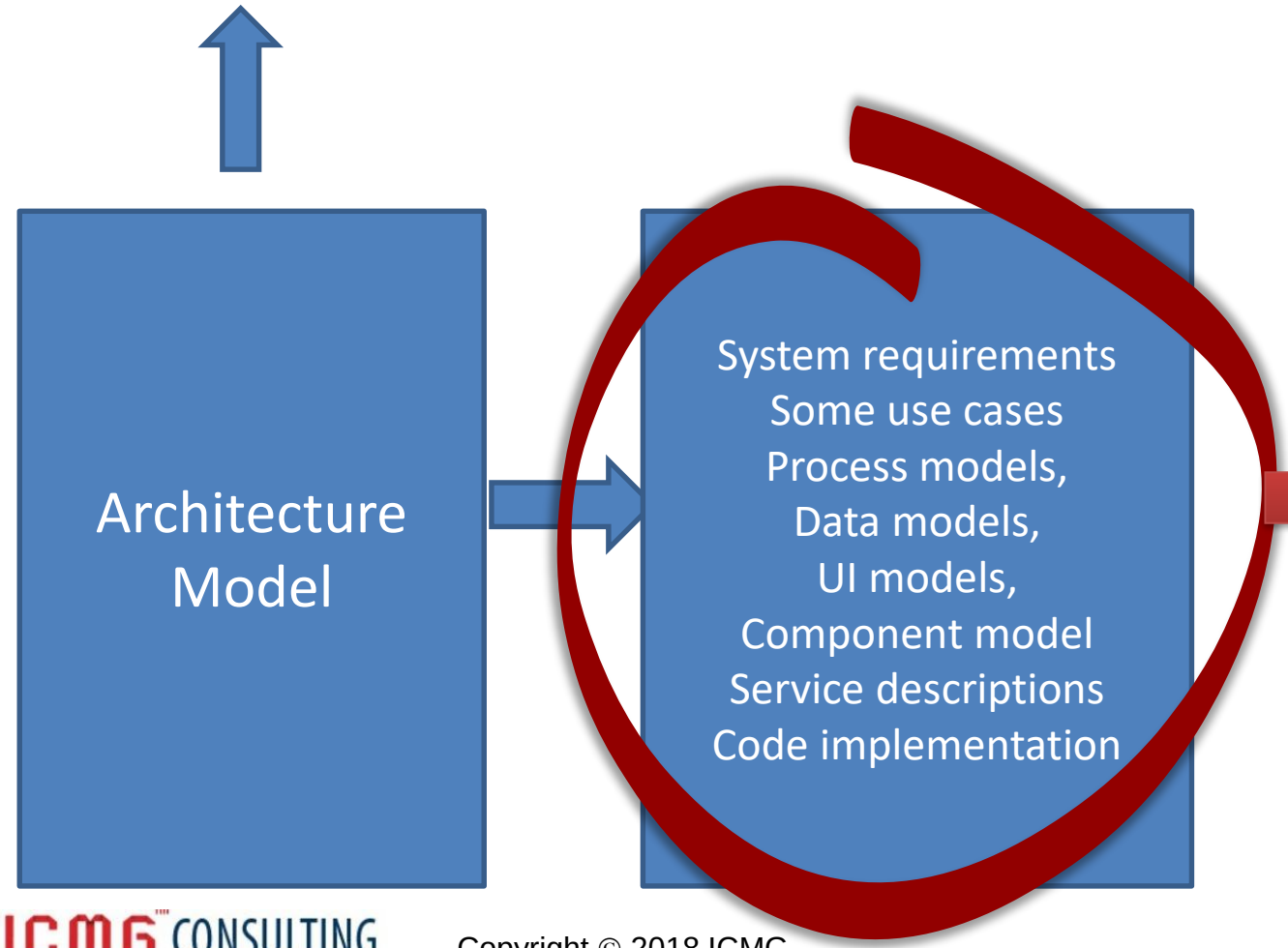
New Architecture Focus
Elements based on variables and perspective



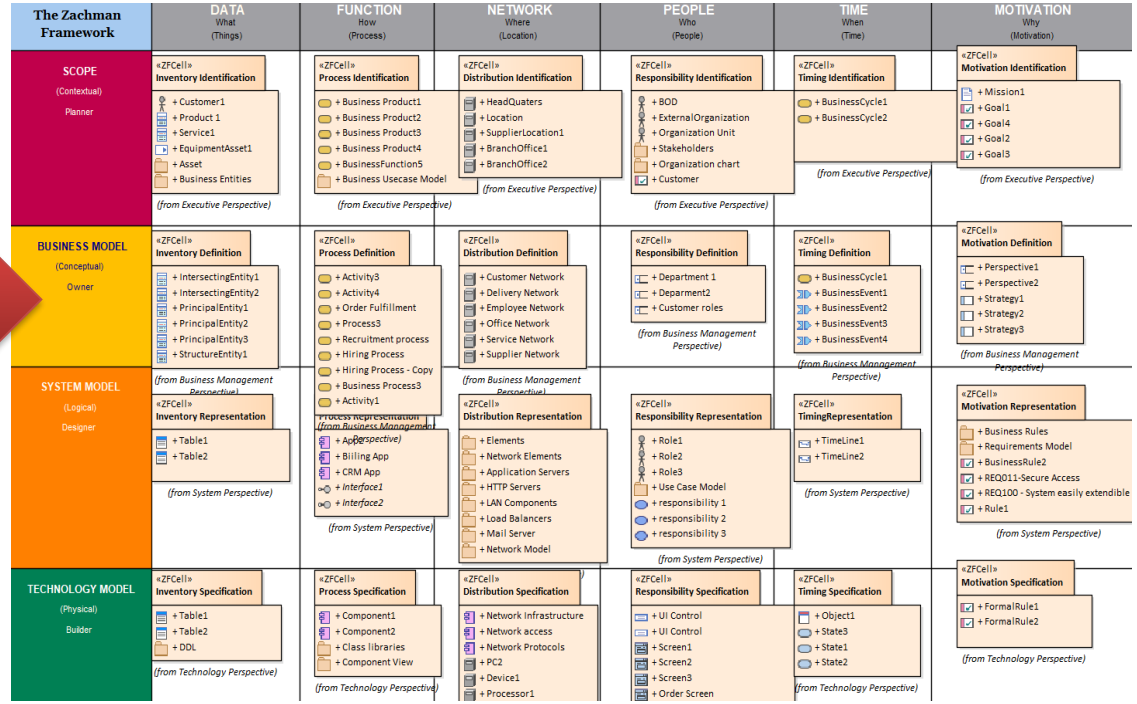
Case I – SOA Implementation : How to migrate and transform?

Current Architecture Focus

: SOA Implementation



New Architecture Focus



We apply anatomy driven methodology to create elements and composites

Current Architecture Models

System requirement
Some use cases
Process models,
Data models,
UI models,
Component model
Service descriptions
Code implementation

New Architecture Models