INDENICA

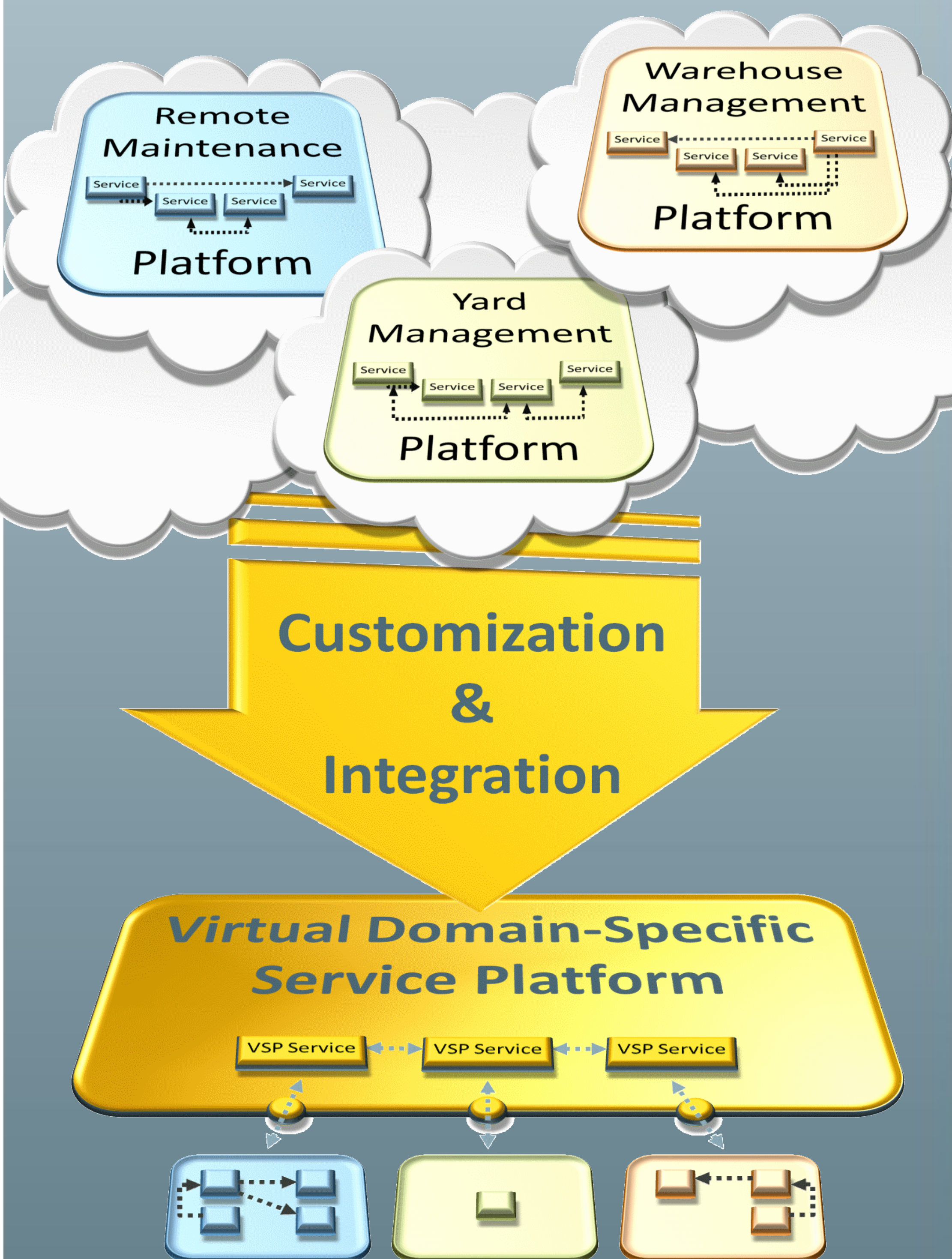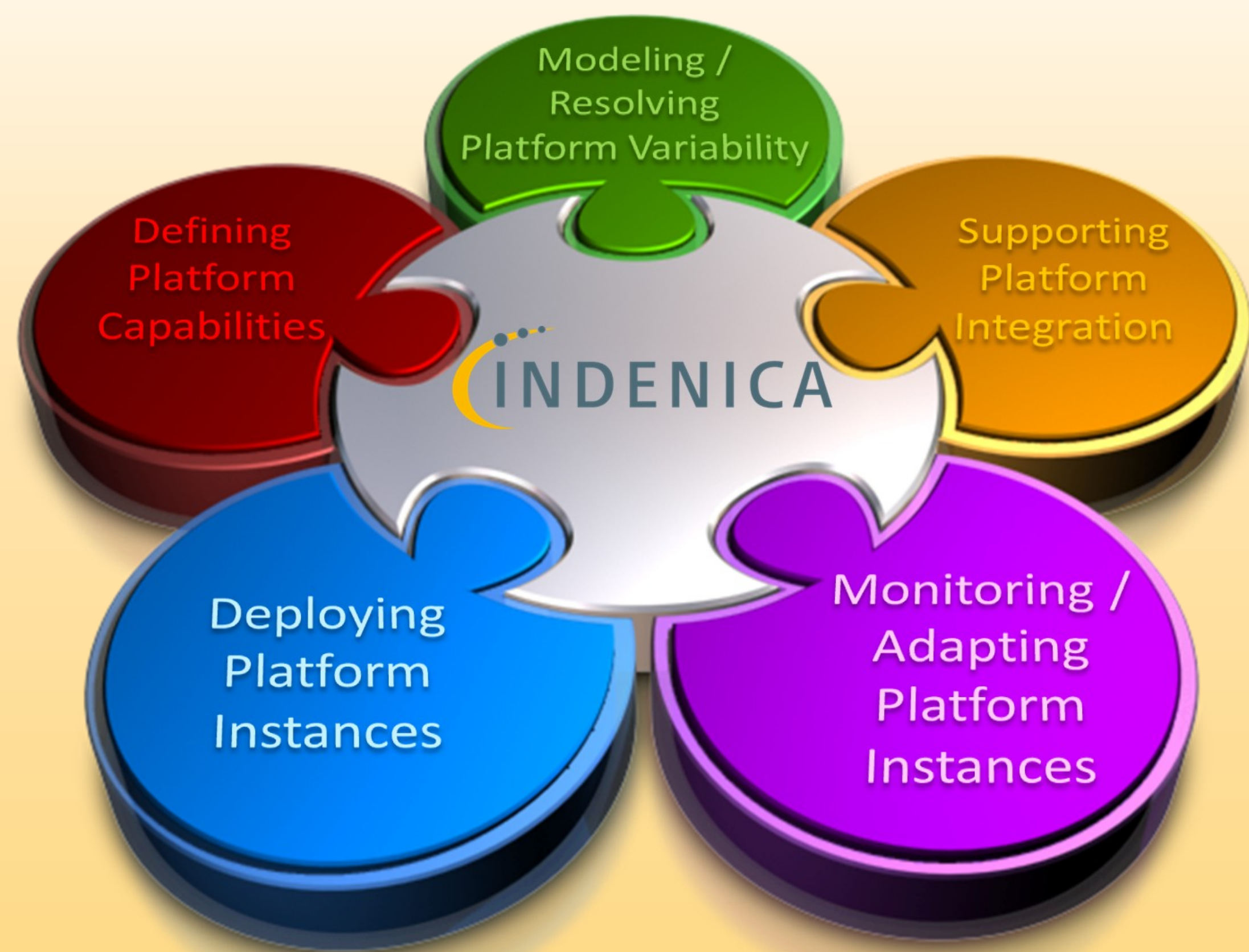## Engineering Domain-Specific Service Platforms

The Vision

- Creation of an ecosystem of services and Virtual Service Platforms (VSP) on top of the current service platform and infrastructure landscape.
- Support new infrastructure operators to move up the value chain in order to provide innovative service offerings on top of the VSP.
- Creation of new VSPs on top of existing infrastructure.

Remote Maintenance Platform

Warehouse Management Platform

Yard Management Platform

Customization & Integration

Virtual Domain-Specific Service Platform

VSP Service → VSP Service → VSP Service

INDENICA At a Glance

Areas of Work

Modeling / Resolving Platform Variability

Defining Platform Capabilities

Supporting Platform Integration

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Deploying Platform Instances

Monitoring / Adapting Platform Instances

Results

Requirements Engineering
INDENICA Requirements ElicitatioN mEthod (IRENE),
INDENICA Requirements Engineering Toolset (IRET)

Variability Management
INDENICA Variability Modeling Language (IVML),
Variability Implementation Language (VIL),
EASy-Producer, Cocktail

Decision Support
Architectural Decision Framework (ADF)

Architecture
View-Based Modeling Framework (VBMF)

Evaluation

Case study implementation based on SAP NetWeaver Cloud, .NET, ActiveMQ

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