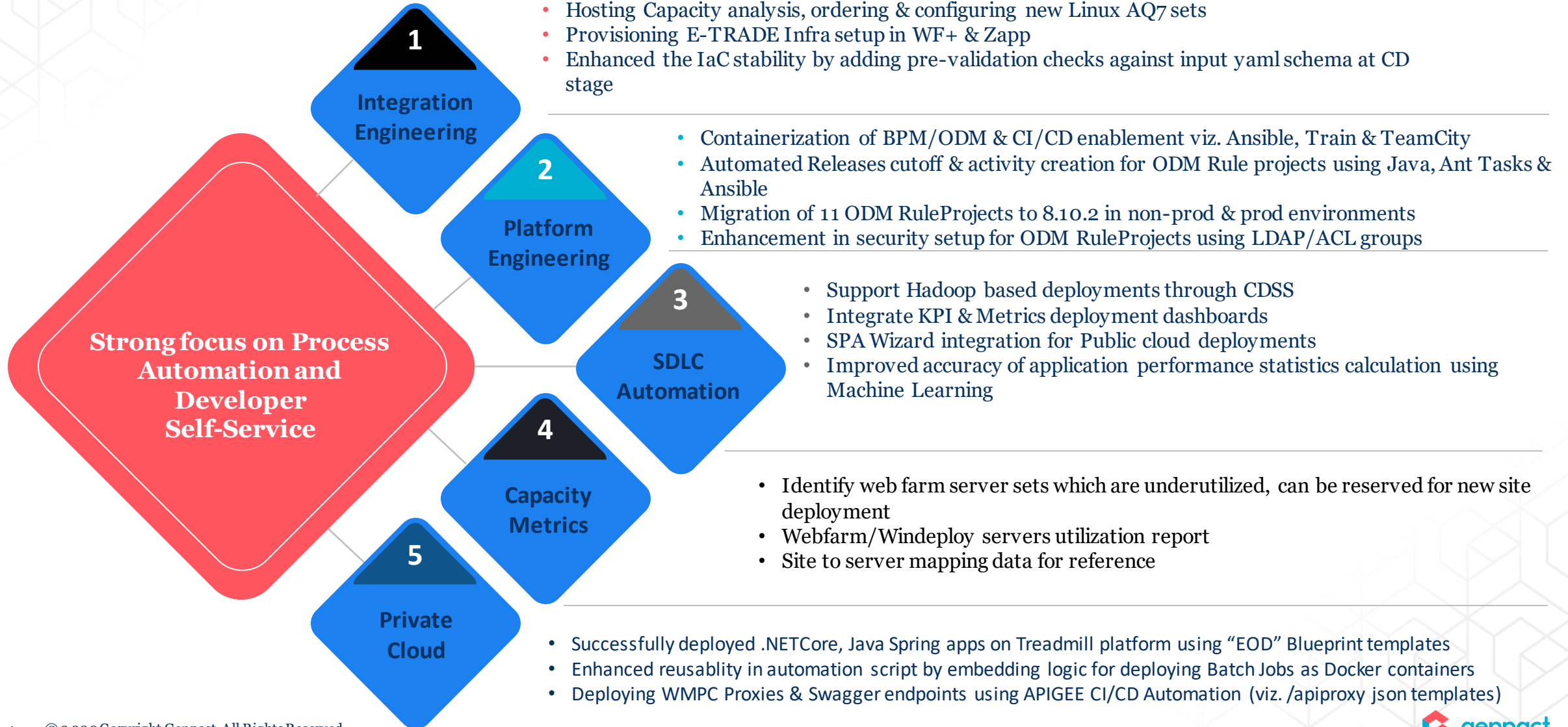
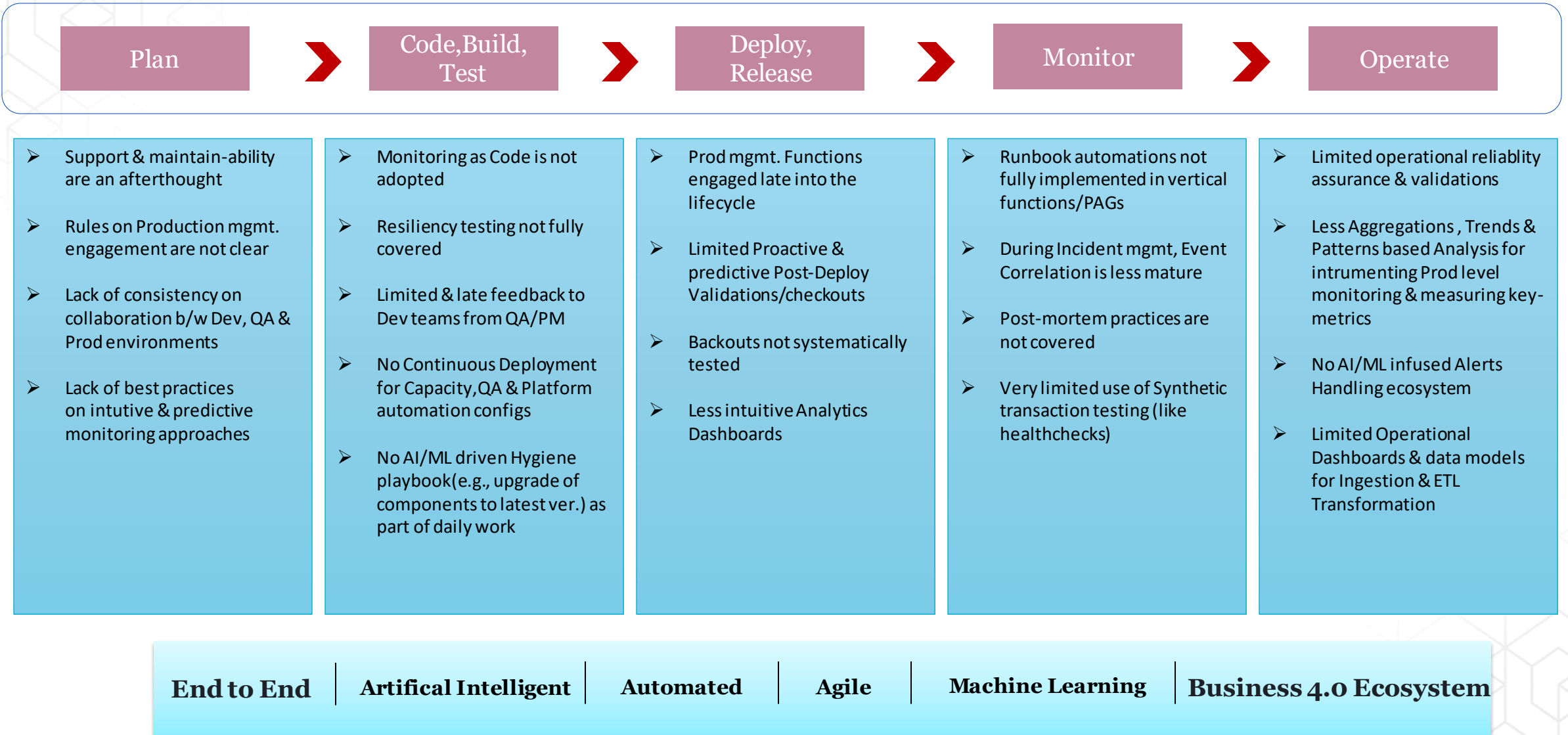


# Summary of our engagement across key programs in CTS



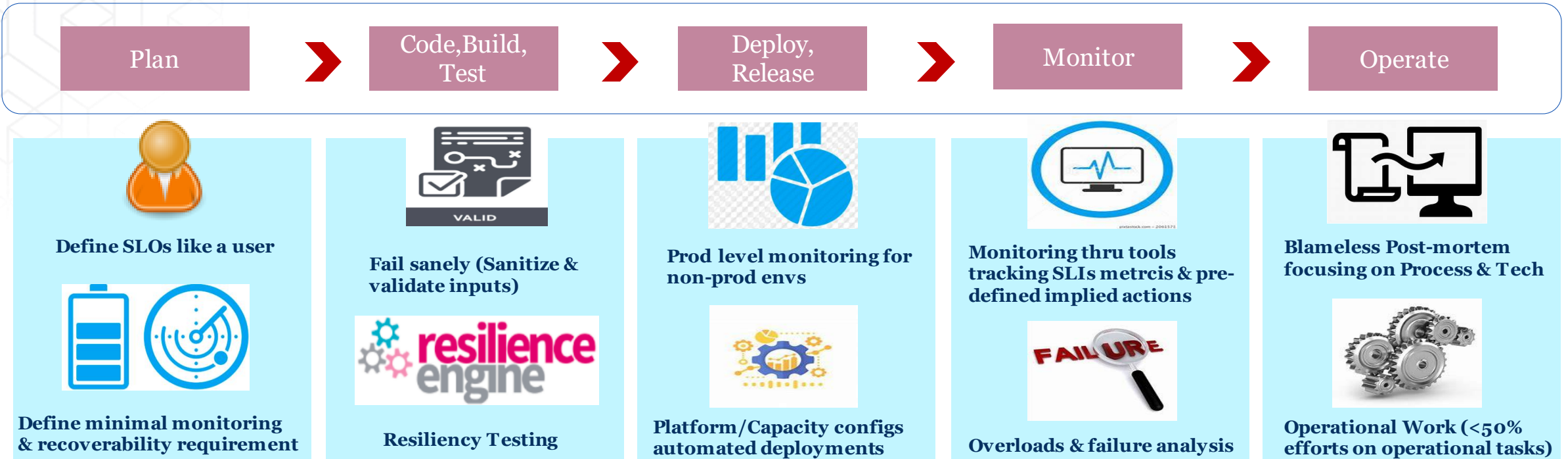
# SRE Journey – DevOps to SRE

- Several **opportunities** to enhance SRE Best Practices in DevOps framework



# SRE Journey – SRE Accelerators on top of current ecosystem

- *SRE Model enabling Prod mgmt best practices through SDLC Lifecycle*



- ❖ **Implanting "Monitoring-As-a-Code"** for annotating rollout of the SRE functions, scripts & configs viz. Devops (CI/CD) pipelines. These AIOps SRE artifacts & manifests will drive the Testing Framework, Platform, Operational Support etc. automations viz. AI/ML written intelliGen Ansible Playbooks, Flask-API/Microservices, QA load & regression workflows, Data analytics dashboards (data-models/Streamsets)
- ❖ **Embedding (AI/ML-driven) SRE accelerators as Horizontal functions** - Spawning SRE coverage across the PAGs/Lifecycle management to build SRE ecosystem viz. Integrated Incident mgmt wireframes, Proactive Monitoring, Predictive Alerts analysis & Dynamic setup of alert Thresholds (Plant healthchecks, RFB checkouts & Hygiene items viz. RPA/RBA/Halo-Cache rules engine)

End to End | Artificial Intelligent | Automated | Agile | Machine Learning | Business 4.0 Ecosystem

# SRE/DevOps Tools Landscape


## Continuous Integration

Build & Deploy	CI Server	Unit Testing	Code Quality
  	  	 	  

## Testing

Automated Acceptance	NFR Testing		
  	  	  	  

## Version Control

Source Control	Binary Management
   	  
Productivity Add-On   	

## Configuration Management & Environment Provisioning

Source Control Binary Management Productivity Add-On		
 	 	 

## Monitoring & Alerts

Application & Infra Monitoring	Log Monitoring
     	   

## Project & Support Management

Collab / Community	Chat
  	 
Project Lifecycle Management	Service Desk
 	  

# SRE Implementation Proposed Architecture

- SRE Ecosystem Wired Layout based on top of existing environment in MSWM

