



vedanta

transforming for good

World's leading natural resources and technology conglomerate

Accelerating the Digital Transformation Journey at Vedanta Leveraging SAP Cloud
Chetan Trivedi, Chief Information Officer, Vedanta Resources

DESH KI ZAROORATON KE LIYE



OIL &
GAS



ZINC, LEAD
& SILVER



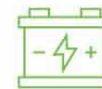
ALUMINIUM



COPPER



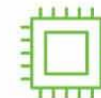
IRON, STEEL &
FERRO ALLOYS



NICKEL



POWER



ELECTRONICS



DISPLAY
GLASS

Vedanta – A Globally Diversified Natural Resources Powerhouse

Aluminium | Zinc-Lead-Silver | Oil & Gas | Iron & Steel | Power | Copper | Ferro Chrome | Nickel | Semiconductor and Display

3rd globally on S&P Global Corporate Sustainability Assessment

\$18 Bn
FY23 Revenue

\$4.4 Bn
FY23 EBITDA

\$12.5 Bn
Dividend over the
last decade

\$14 Bn
Capex over the
last decade

25+ years
Mine life

Committed to
ESG leadership
“Net Zero by 2050 or sooner”

AA rating
CRISIL and India Ratings

\$47 Bn
Exchequer contribution
in last 8 years

87,500+
Total Workforce



Global Footprint



- COPPER
- ALUMINIUM
- POWER
- IRON ORE
- ZINC
- OIL & GAS
- GLASS
- MULTIPLE

LIBERIA
IRON ORE PROJECT
WESTERN CLUSTER

NAMIBIA
SCORPION MINE

SOUTH AFRICA
BLACK MOUNTAIN MINE
GAMSBERG

UAE
Fujairah Gold

EAST ASIA
Glass

INDIA
MULTIPLE

SRI LANKA
OIL & GAS ASSETS

AUSTRALIA
MT. LYELL MINE

ALUMINIUM BUSINESS

LANJIGARH | JHARSUGUDA | KORBA
2 MTPA | 1.8 MTPA | 0.6 MTPA

ZINC-LEAD-SILVER BUSINESS

DEBARI | CHANDERIYA DARIBA |
VIZAG | RAMPURA AGUCHA |
ZAWAR MINE | RAJPURA DARIBA &
SINDESWAR KHURD

OIL & GAS BUSINESS

MANGALA | RAVVA | CAMBAY
KG ON/OFFSHORE

COPPER BUSINESS

SILVASSA | TUTICORIN
216 KTPA | 400 KTPA

POWER BUSINESS

SALEM | TALWANDI SABO
1,980 MW

IRON ORE BUSINESS

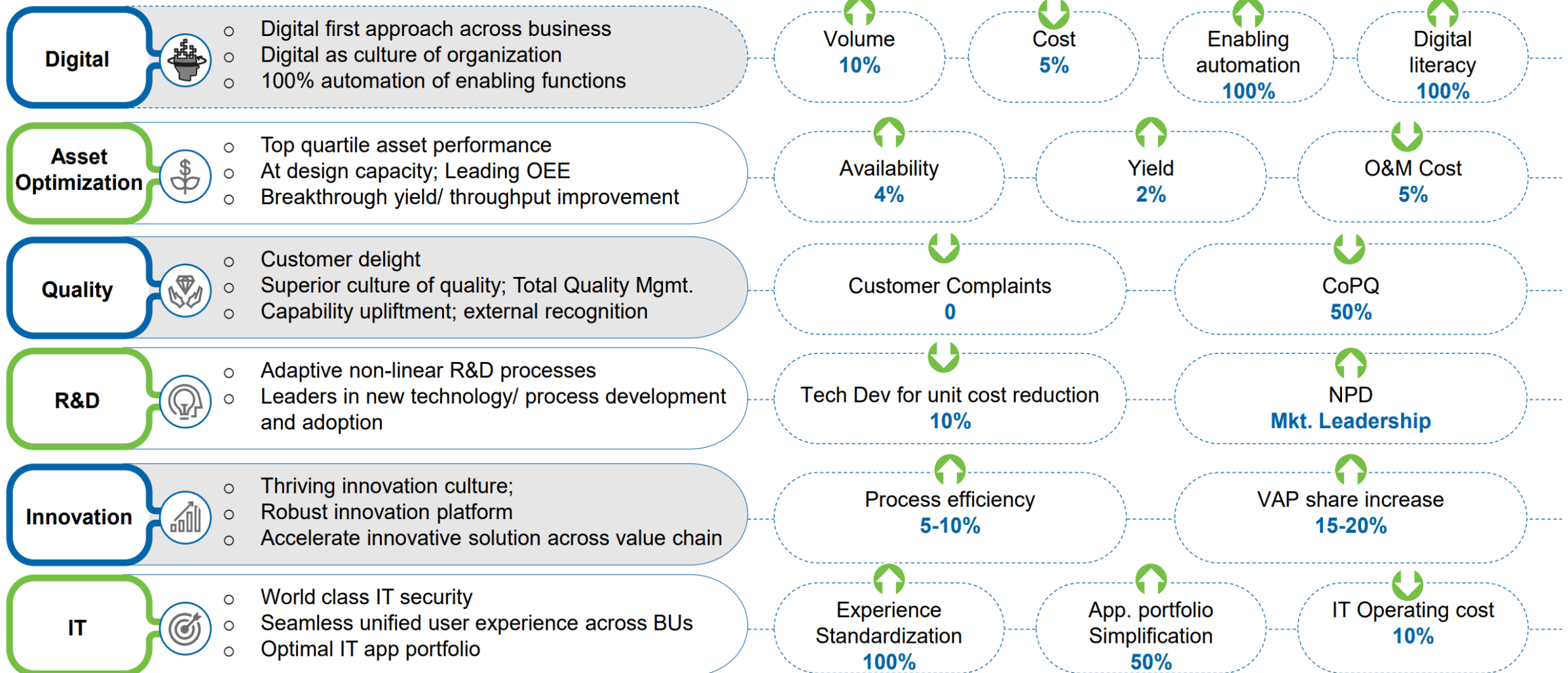
GOA | KARNATAKA | BARBIL

OTHERS

GUJARAT | VAZARE |
BOKARO | VIZAG | BHADRAK

Strategy focused on Digitalization and Innovation

Six core pillars of center of excellence: clear outcomes outline ambition for each pillar



Strategic View

- Align with SAP's Roadmap : Path to clean core and extend maintenance for ECC systems
- Move from multiple Data Centers to single Data Centers
- Towards Greener IT
- Aligning to Vedanta's philosophy of outsourcing

1

Functional View

- Innovation-led growth and technology-driven Business Transformation
- Bring Agility and User Experience
- Leverage Networked Economy, Enhance Stakeholder Engagement
- Build New Capabilities (e.g. Business AI, Green Ledger etc)
- Enable Group Level Initiatives (e.g. Central Finance)

2

3

Operational View

- Harmonization of SAP instances across BU's
- Simply SAP Landscape Management and Governance
- Free up IT resource bandwidth: IT focusing on being change agent with business partnership
- Create a robust Cyber Resilience and Business Continuity

4

Commercial View

- Change the cost profile – Rationalize TCO
- Move from Capex to Opex operating model
- Achieve Zero Shelfware

Cloud Guiding Principles

From



Spend model transformation



Self Managed Hosting



Upfront Long-term planning and investments



BU`s specific Governance Structure



Lengthy Procurement and Deployment Cycle



Restricted Innovation

To

Transform from CAPEX to OPEX Model
15 ~ 20 % IT cost savings

Transform to SLA Based model

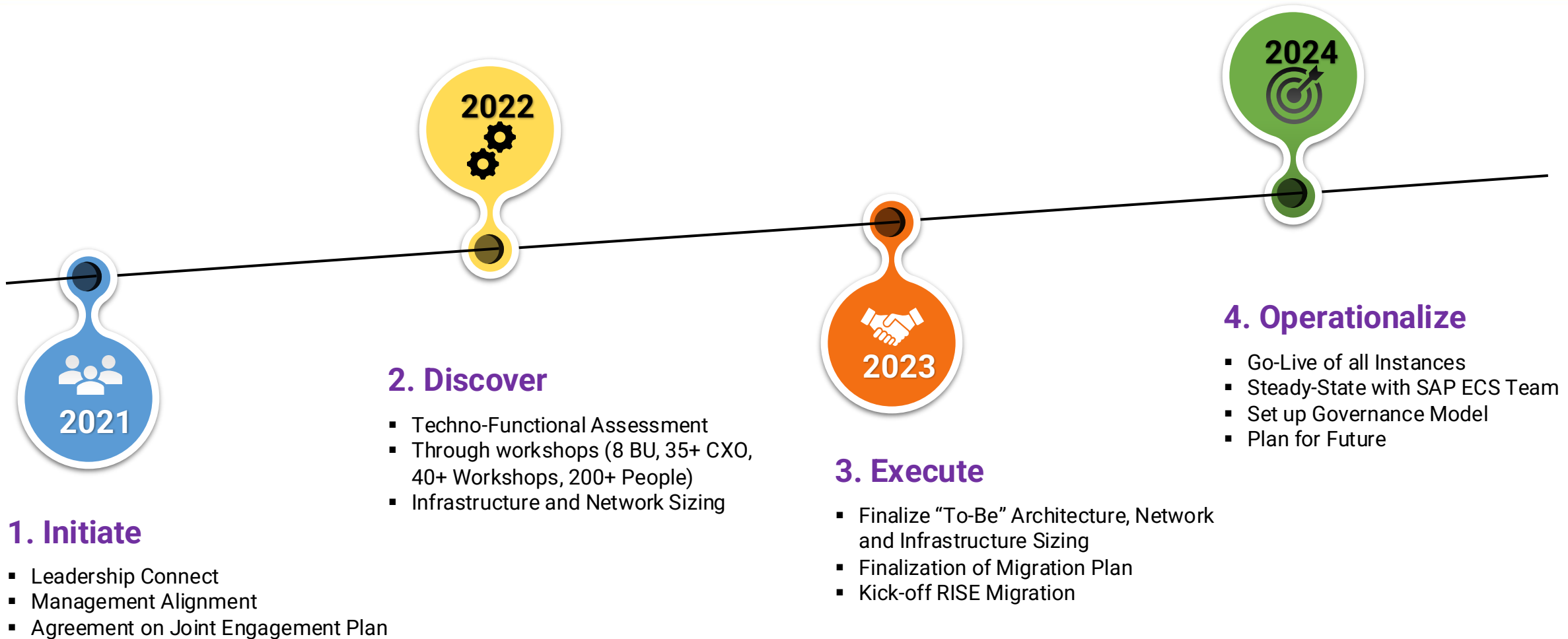
Bring Agility, Acquire when need

Centralized Governance and Controls

Accelerate Business system enablement
on Cloud; 80% reduction of time

Ready to Use Global innovations /
adoption

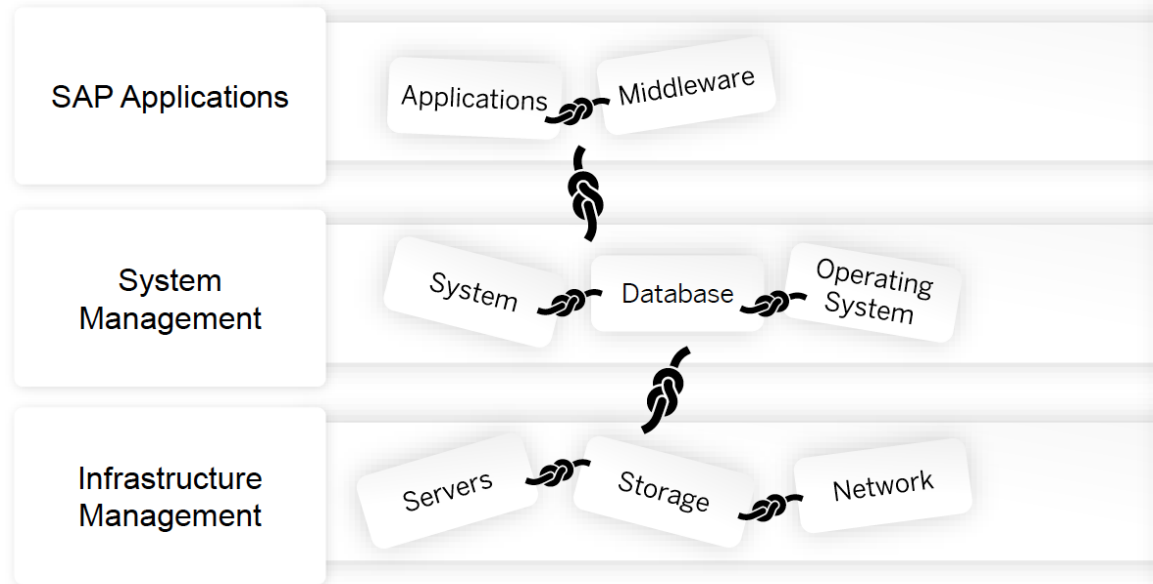
SAP RISE: Engagement and Migration Journey



Earlier State v/s RISE with SAP

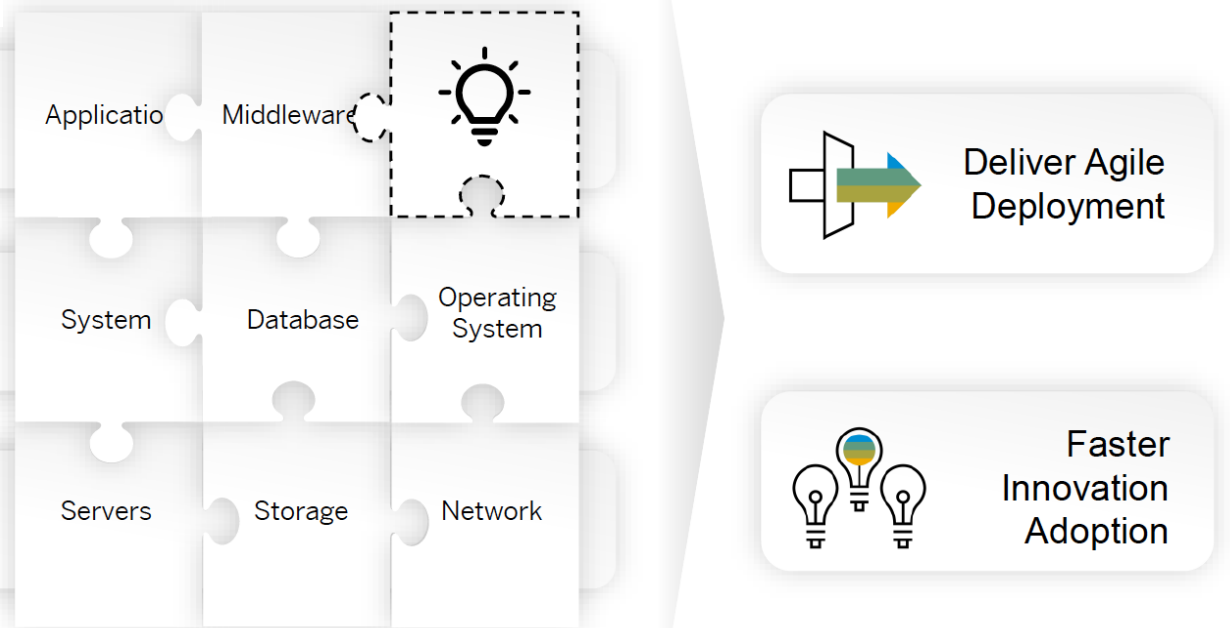
Earlier State

8 Large SAP Landscape across Vedanta
 Different Version and infrastructure
 Solution Replication across different versions – comes as limitation

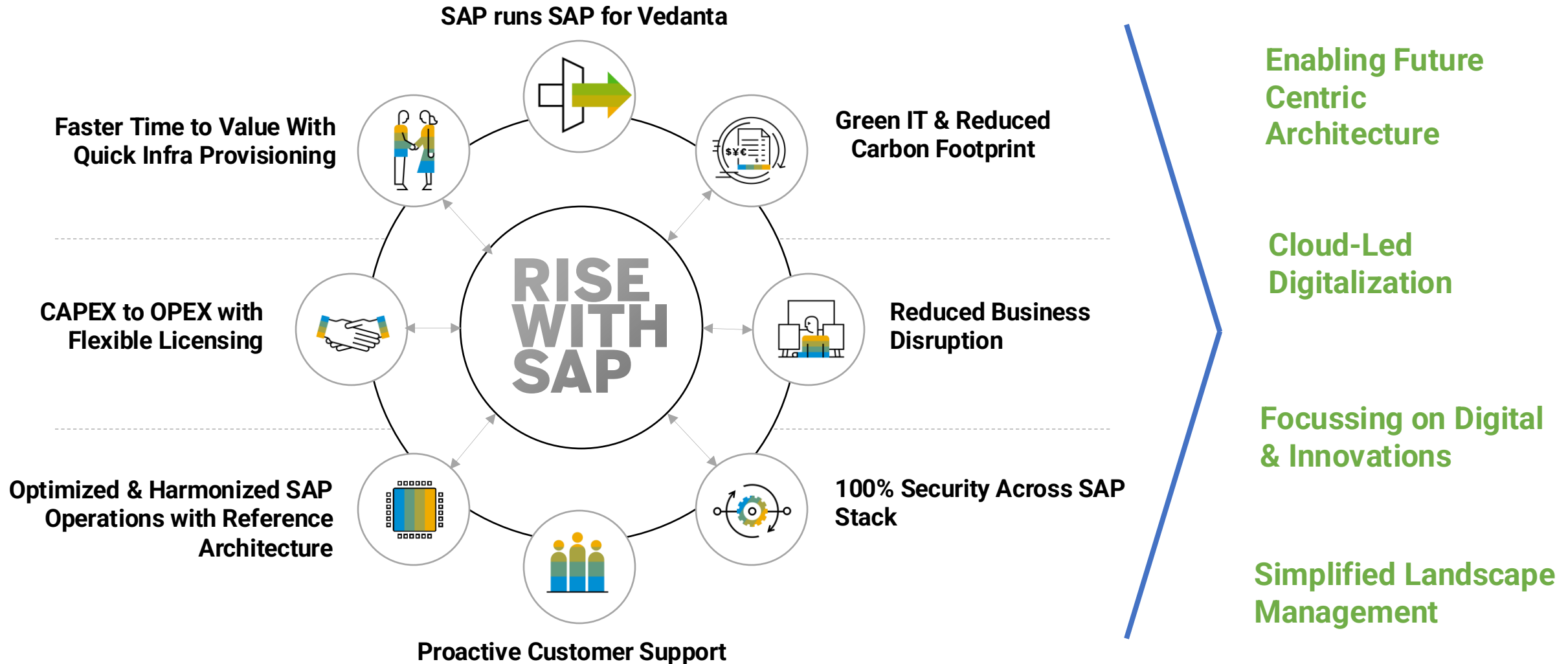


RISE with SAP

Certified building blocks serve as practice from infra, system, app
 Ensure future compatibility with new SAP releases and innovations



Strategic Benefits for Vedanta



Project vRISE: Some Insights



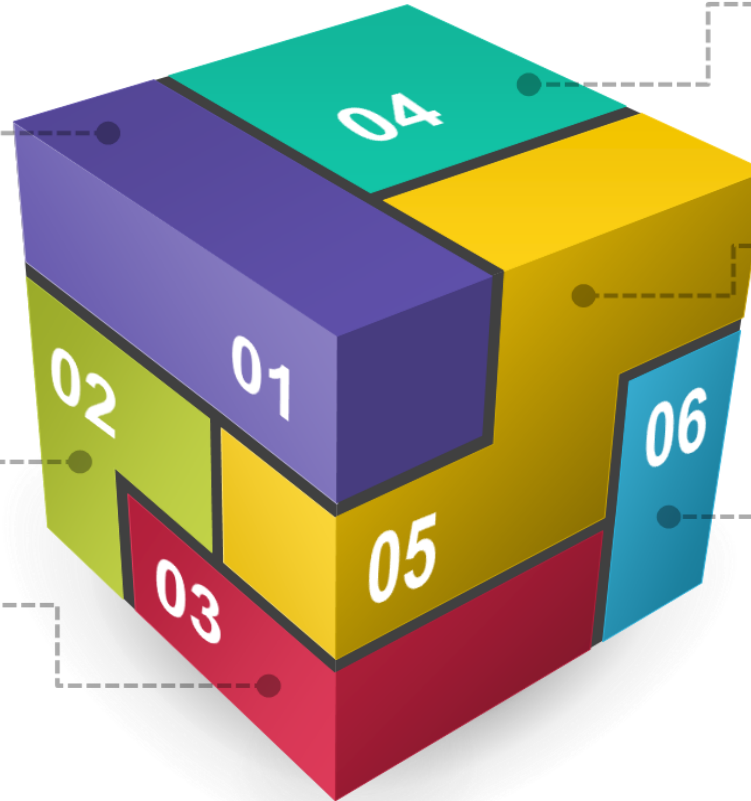
Business Data
 ~ 150 TB Business Data
 ~ 400 TB Data migration
Excludes NoN-SAP and DMS



Compute
 ~ 250 High-end V-machines
 ~ 3500 CPU Cores
 ~ 40 TB Memory



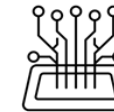
Network
 Annual egress 1.2 PB
 Bandwidth of ~ 2 GBPS



Security & BCP
 Data Encryption (at Rest & Transit)
 User Access Management
 ISO 27001 | ISO 22301 | SOC – 1 & 2
 100% DR Systems for SAP (S4 & ECC)



Business Integration
 > 150 Critical Business Integration Scenarios.
 Banking | B2B | NoN-SAP Systems

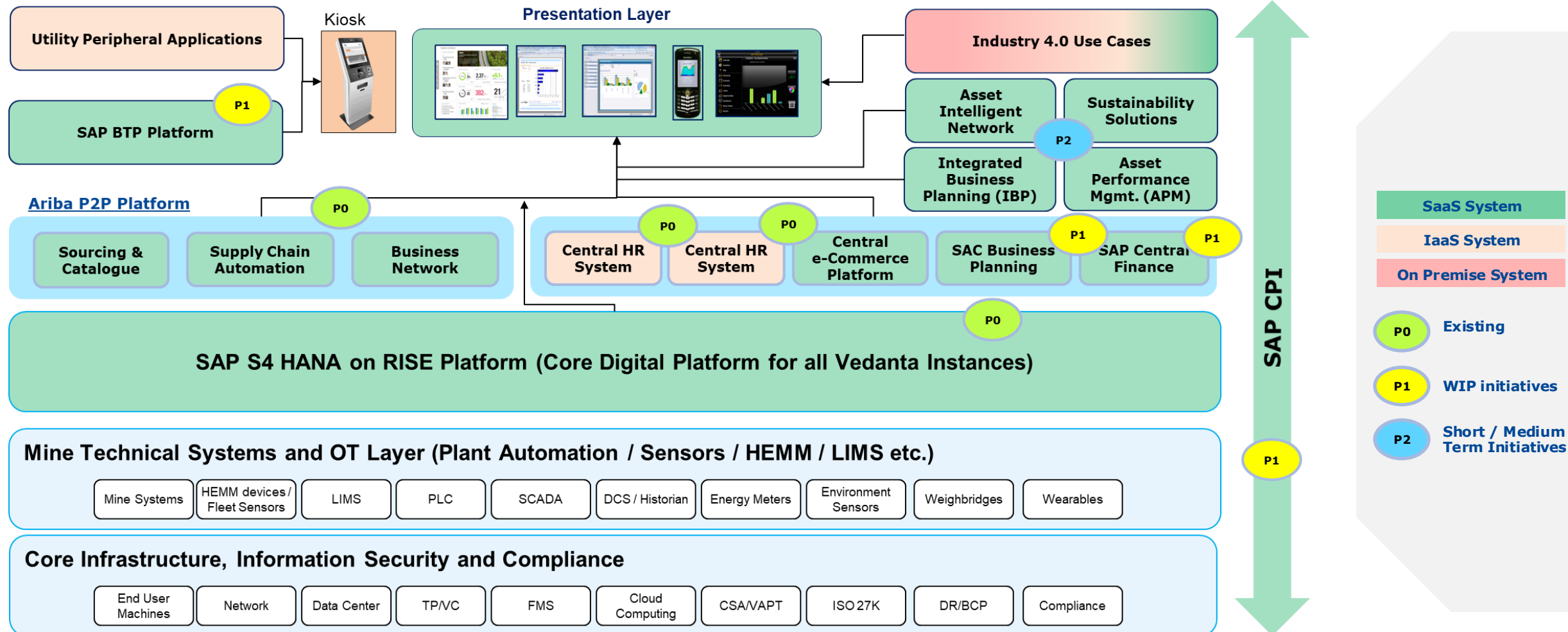


Future Ready Landscape
 Business Technology Platform (BTP)
 Cloud Platform Integrator (CPI)
 SAP Analytics on Cloud (SAC)
 Single Sign-On (SLC)
 Clean Core

Value Realization with RISE

Strategic Priorities	Key Performance Indicators	Process Performance Indicators	Value Drivers / Benefit
Green IT Sustainability	Carbon Emissions	30% Scope 2 Emissions	↓ Sustainable Operations Cleansing of OLD and unwanted Data Reduced database size
		Reduced Data Footprint	
Digital Foundation & Innovations	Modern Application Platform	Data and Analytics	↑ Realtime Analytics - SAC SAPSTART - Mobile ready SAP Joule - Digital Assistance SAP Business AI - Foundation
		UX Transformation	
		Future Ready Platform	
Operations Excellence	IT Procurement and Contracting Cycle	Single Contract Across 8 Large BU`s Harmonization of SAP Landscape	↑ Single Partner Management and Responsibility 80% Common Platform across Group Faster time to delivery business initiatives (procurement cycle reduced from 06 Months to 02 Month) Improved Centralized Governance
	Availability & Reliability	100% ↑ Near "0" Disruption	↑ System Uptime
	Risk of Digital Adoption	Near Zero "0"	↑ Up-to-date Application Platform
	Productivity	25% - 35%	↑ Higher User Satisfaction and Productivity
	Business Continuity	SLA Based Application RTO/ RPO	↑ 100% DR for Core S/4HANA & ECC
Cyber Resilience	Staying Secure and Compliant	Cloud Security Measures	↑ Internal and External Audits, Data Privacy and Protection 10+ ISO / SOC Business Standards End-to-end encryption for "data-in-transit" "data-at-rest" encryption covers database, central and local file systems, and storage backups. Robust Vulnerability Management Process
		Audit Compliance	
		ZERO TRUST Security	
		Threat Protection	

Evolving with SAP Cloud as an Intelligent Enterprise



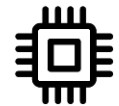
Embarking on a Cloud Journey: Key Takeaways



Governance around Cloud Services and Cost control



COE is must: Group of Technology Architects



Pay attention to MHz to GHz processing & at source overall resource utilization



Lift and Shift to cloud is not suitable, unless you opt for Modernization and drive innovation



Transform to PAAS / SAAS based cloud services
Landscape integration is the most critical part



Cloud is a Journey - Keep yourself updated | Keep Innovating



THANK YOU