NoVA Ascend Dynamics
TRANSFORMING VISIONS, IGNITING GROWTH

Capabilities

Robust IT Infrastructure with Nova Ascend Dynamics Infrastructure Management Services

About Us

Great Place To Work. Certified INDIA

25+
YEARS OF EXCELLENCE

CMMIDEV/5

Overview

4000+
Employees

10
Global Offices

9
Development Centers

1,00,000+ Sq.ft.
Office Space

Clientele

1500+
Clients

50+
Countries

85%
Clients Retention

22+
Industry Verticals

Achievements

2000+
Products Engineered

1500+
Applications Developed

12+
Awards

20+
Million Development Hours

Partners

aws

SAP

Microsoft

Google Cloud

Magento

What We Do?

01

User Experience Design

02

Digital Transformation

03

Software Product Engineering

04

Data Management & Analytics

05

Blockchain, AI & ML

06

Cloud & DevOps & Infrastructure QA Services

Our Capabilities

01.

- IT Consulting

02.

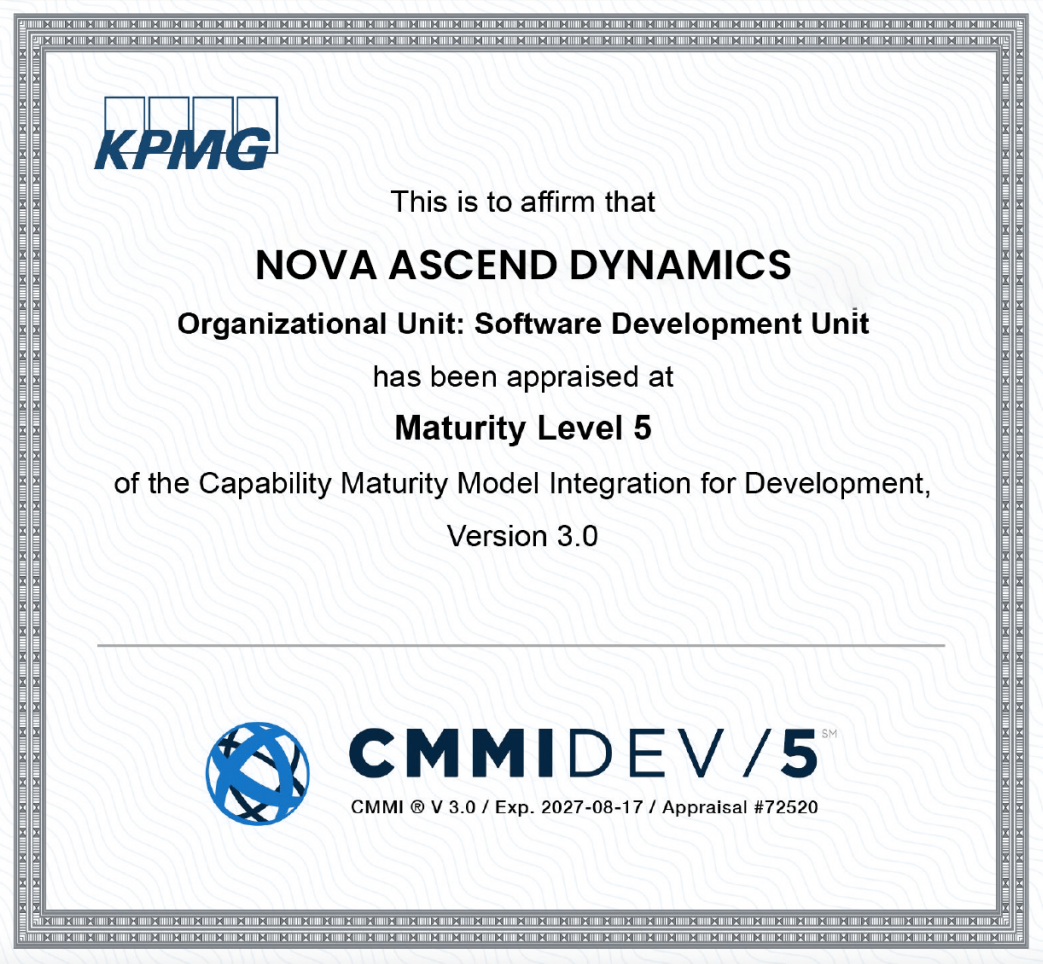
- Strategy Planning
- Execution Business
- Process Re-engineering
- IT Modernization

03.

- Business Analysis
- Consulting
- Governance & Security

Certified To Deliver Quality

Great Place To Work.
Certified
OCT 2024-OCT 2025
INDIA



ISO
9001:2015
Quality Management

ISO
27001:2013
Information Security

ISO
20000-1:2011
IT Management

ISO
22301:2012
Business Continuity Management

Success Stories

Banking & Finance

E-Commerce & Retail

Education & E-Learning

Government/ Semi Government

Healthcare

Insurance

IT & Consulting

Manufacturing

Media & Entertainment

News & Publication

Supply Chain & Logistics

Telecom

Delivered

6500+ Projects

Worldwide Across

22+ Industries

Service Offerings (1 of 2)

Database Management Service – Managed Service – SLA / Uptime Driven Support

- Database is also considered as soft layer infrastructure that sits above the storage and the operating system of the server.
- It is one of the most critical part of any organization as the data rests in the DB, it is used in every organization big or small to store data and retrieve it for further processing via ETL, Analytics and data science tools.
- Managing the DB is a skilled job which involves monitoring the DB and other list of activities that are done to ensure uptime and performance of the DB.
- Security of the data is also very critical for the organizations which are done by tools like DAM or AVDF.

Types of DB

RDBMS (Relational DB like Oracle, MS SQL, IBMDB2, Sybase) Opensource DB (Postgres, MySQL, Mongo, etc.)

Prospective Clients

All Industry Verticals/ Companies which use DB (BFSI, Retail, Pharma, FMCG, etc.)

Delivery Models

Onsite/ Remote/ Hybrid (as per client requirement).

Middleware Management Service – Managed Service – SLA / Uptime Driven Support

- Middleware is also considered as soft layer infrastructure like DB that sits above the DB and below the application. It majorly a layer that helps connectivity between application and DB in structured way.
- It is one of the critical part of any organization as the it helps connectivity and concurrent usage between the application and database.
- Managing the M/W is a skilled job which involves monitoring and other list of activities that are done to ensure uptime and performance of the application.

Types of M/W

WLS, WAS, MQ, JBoss, Apache Tomcat, Ngnix, etc.

Prospective Clients

All Industry Verticals/ Companies which use internet-based applications (BFSI, Retail, Pharma, FMCG, etc.)

Delivery Models

Onsite/ Remote/ Hybrid (as per client requirement)

Service Offerings (2 of 2)

Technology Consulting/ Projects/ Support – Managed/ T&M/ Staff Aug

- Technology consulting / projects / support may be interconnected or individual areas of the offering, consulting may get converted into project which in turn gets converted into support

Consulting

- As Is-To Be study & Gap Analysis.
- Complete assessment & recommendation report on entire stack.
- Proposed Architecture & Capacity Planning recommendations using newer technologies.
- Proof of Concept.

Types of Consulting & Projects

- Infrastructure migration, DB in place migration, On-Prem to Cloud Migrations, Security Implementations, HA and DR site implementation, Performance Tuning, etc.

Staffing Services

It will generally consist of T&M or Staff Augmentation

- Some major benefits to client as below
- Ability to support onsite DBA whenever required - CoE
- Per Day/ Month Rates/ Resource
- Easy replacement from internal team
- National coverage

Differentiators & Services Snapshot

Cloud Computing

- Cloud Assessment Services
- Cloud Adoption Services
- Cloud Broker Services

Tech Consulting

- Architectural Design & Consulting
- Performance Optimization
- New Technology Evaluation
- HA & DR Consulting Implementation

Oracle EBS

- 24x7 End-to-End EBS Support
- EBS Module Implementation & Upgrade Expertise

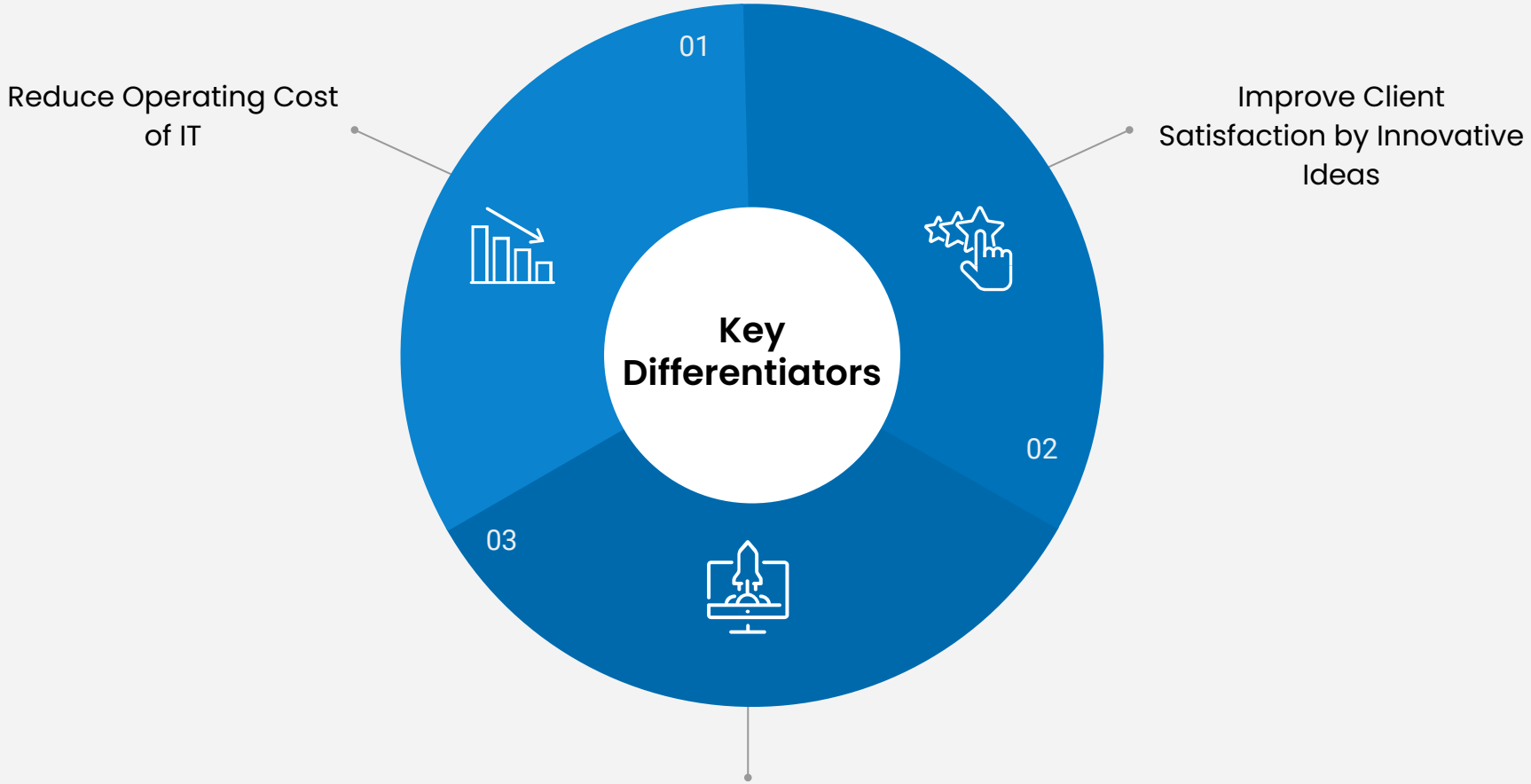
App Management

- SLA-driven Services
- Resource Provision
- Shared/ Dedicated/ Resource Model
- All Technology Supported

Infrastructure Mgmt. Services

- SLA-driven Services
- BAU Support: O/S, DB, Middleware
- Datacenter Operations Services

Differentiators & Services Snapshot



Our Approach

Current Approach

- Consulting Approach
- Comprehensive Solution Design
- Apt Technology Selection
- TCO Optimization

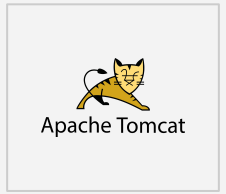
Proactive Approach

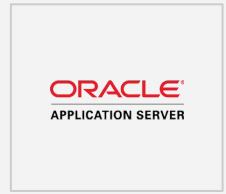
- Understand Current IT Setup
- Study Future Roadmap
- Prioritize & Recommend Projects to Optimize TCO
- Optimize IT Investment by being Technology Agnostic

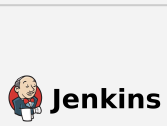
Database Technologies

Database Technologies

Middleware Technologies







Service Overview (Key Highlights)

Database Management Service

It helps businesses solve all their database worries.
It offers both open & closed source database solution best suited to the clients.

Managed Services

Middleware Management Service

Helps organizations to support all leading middleware technology products to keep the business running efficiently.

Key Highlights

- Flexible service window as per customer requirement (Onsite/ Remote/ Hybrid)
- Ownership of SLA and Uptime
- 24*7 accessibility of team for any issue/ concern
- Tiered Service – T1, T2, T3
- Availability of CoE/ resource pool/ KB at all times
- Helping clients optimize their TCO
- Expertise in Multiple database and Middleware technologies (i.e., Oracle/ MS SQL/ Open-Source and WAS, WLS, JBoss, Apache Tomcat, WebSphere MQ)

Key Deliverables

- Server/ Database Monitoring
- Space Management
- Backup and Recovery Management
- Performance Management
- Installations/ Configurations
- Patch Management
- Service Request Management
- Security Management
- Audit Management
- Change Request

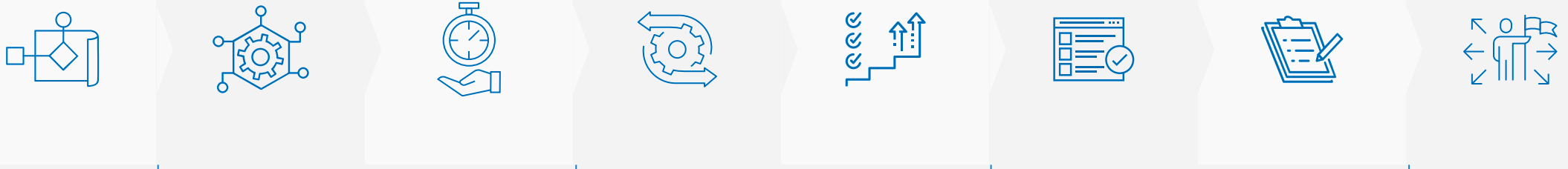
Key Differentiator

- Capacity Planning/ Consolidation
- Periodic study of System Infrastructure & guides on Industry's Best Practices
- Version Upgrade Roadmap
- Technology Transformation Roadmap

Managed Services - Capabilities

Methodology

- Defining the Scope
- Automating Routine Tasks
- Focus on Uptime with SLA
- Continuous Improvement
- Proactive Performance Improvements
- Assistance in Resolving Audit Requirements
- Documentations & Reports
- End-to-End Ownership



Managed Services – Differentiated Approach

End to End Ownership

Team Composition

24 x 7 (Rotational Shifts)

Knowledge Management

Governance

Service Level Improvement

SLA/ SLO-driven

Redundancy vs Response Time

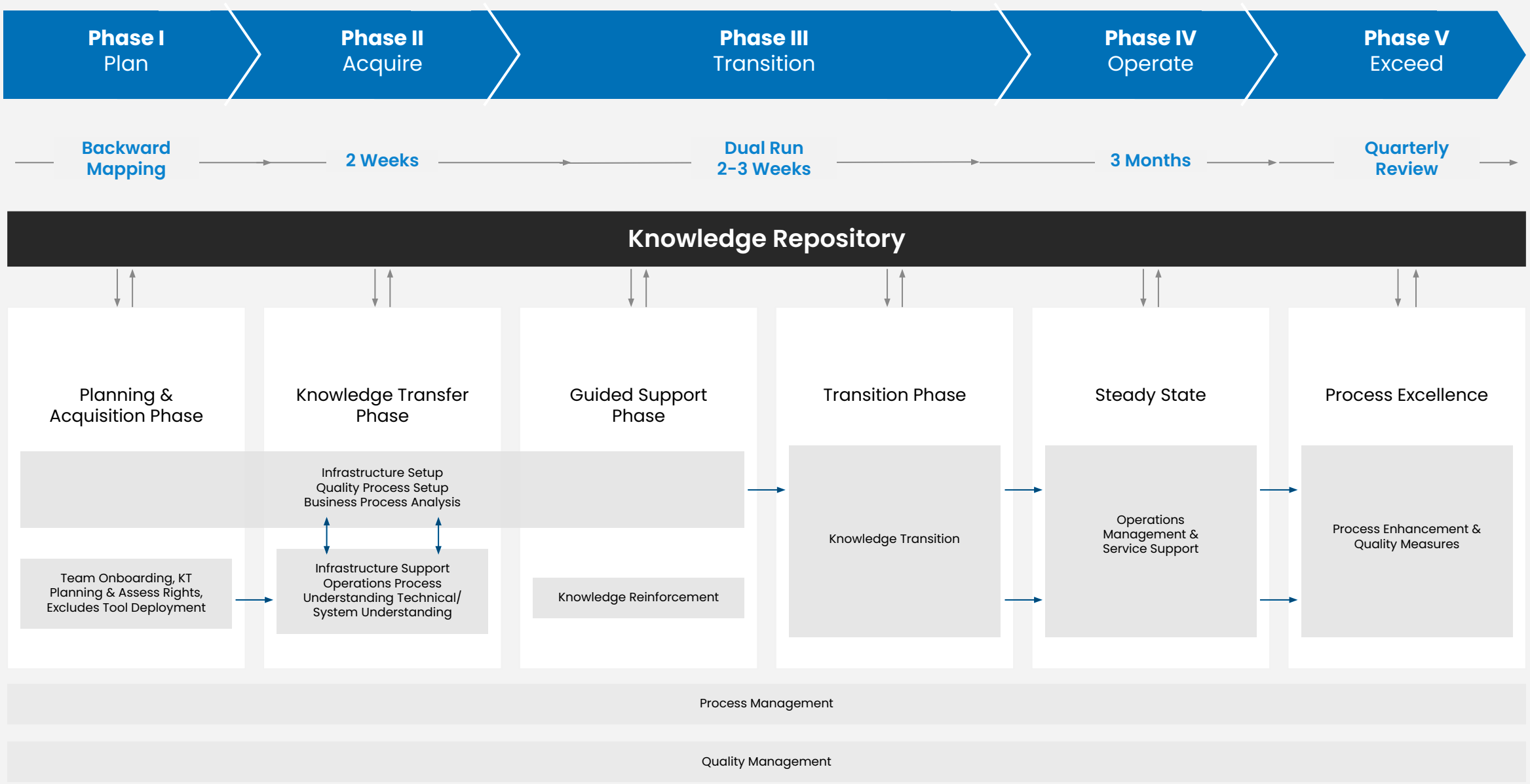
SME & CoE

Process Driven

Weekly, Monthly, Quarterly Review

Lowered TCO

Proposed Transition Timelines



Governance Model

			Client	STHENOS TECHNOLOGIES	
Quarterly/ Semi-Annual	**Engagement Ownership**	Executive Board	Client Executive Management/ Program Sponsor	Nova Ascend Dynamic Executive Team/ Head Business Unit	• Strategic Planning • Executive Review • Contract Amendment • Policy and Procedure Definition • Technology Transformation Roadmap
Monthly	**Process Ownership**	Program Management Office	Client Program Manager/ Business Manager	Nova Ascend Dynamics Delivery Head/Program Manager	• Performance Evaluation • Issue Resolution • Relationship Management • Escalation & Action Points from Previous Meetings • Any Major Release or Change Request
Weekly/ 15 Days	**Execution Ownership**	Project Management Team	Client Program Manager/ Business Manager	Nova Ascend Dynamics Delivery Head/Program Manager	• Project Management • Issue Resolution • Release Planning • Change Management • Continuous Improvement

Technology Consultancy and Project

Technology Projects - Capabilities

Pre-Project Activities

- Project Initiations
- Requirement Analysis
- Understanding of Final Goal
- Preparing the Solution to meet requirement
- Preparing Project Effort Estimation & Commercials

During Project Activities

- Preparing Project Plan with detailed Actions
- Project Executions and Managements
- Milestone sign-offs
- Hand holding Support
- Documentation

Technology Consulting Service

We help our client to maintain proper mix of IT resources to adopt ever changing IT needs. Our team of experienced professionals integrate with the client's team to develop a practical solution best suited to the client.

Key Deliverables

- As Is-To Be study & Gap Analysis
- Complete assessment & recommendation report on entire stack
- Proposed Architecture & Capacity Planning recommendations using newer technologies
- Proof of Concept

Key Projects

- Database Migrations
  - In-place Migration
  - On prem-to-cloud Migration
  - Inter Technology database Migration
  - Database consolidation
- Oracle Exadata Machine/ ODA
- Security Assessment implementation
- Database & Audit Vault Implementation
- Performance Assessment, Recommendation & Implementation
- Backup and Recovery strategies to minimize data loss
- High Availability and Disaster Recovery Implementation
- Performance tuning

Roles and Responsibilities of L1/ L2/ L3

L1 Roles

- Monitor the event alerts and notify to the concerned team and process the requests from the end users to level 2 and level 3 support engineers.
- Monitor the availability of the Database events like DB availability, Instance availability and the space availability of disk drives and file systems.
- Monitor the Oracle Alert logs files, transaction logs and backup logs.
- Monitor the database related activities, respond calls from the Application support and developments teams.
- Monitor the backups, recovery errors, respond to the request regarding the restoration of the DB.
- Monitor the metric alerts, performance related issues like high CPU utilization, Application performance, high Memory utilization, Application tuning and Query tuning.
- Acknowledge the request for DB stop/start, user creation and grant specific data access to user.

L2 Roles

- Routine Administrative Activities.
- Resolve incidents escalated by L1 as per the agreed SLAs and timelines. They usually have a Run-Book which they can refer to for immediate resolutions. They are also supposed to coordinate with any other support or dependency groups in case the incident has any linkage.
- Troubleshooting of cluster failures, ASM disk group's failures and DR related problem etc.
- Adding and resizing of ASM disk groups.
- L2 escalates the problem to L3.

L3 Roles

- Participate in management, prioritization, minor enhancements / fix activities, problem management, stability analysis, Design and Implementation, Advanced configuration and Troubleshooting
- Analysis of technical issues and permanent fix/solution.
- Implementation of RAC, ASM, Data Guard for database failover between Data center and DR site, perform switchover /failover activities.
- Work on issues that couldn't be resolved by L2 team.
- Formulating Backup and Recovery strategies.
- Database upgrades/migrations.
- Formulating Backup and Recovery strategies.
- Physical and Logical database designing.
- Design for CPU, memory, and storage capacity requirements.
- Design security policy and audit plan.
- Database recoveries and identifying and fixing database corruption.
- Designing database for High Availability.
- Work on the performance issues related to Clustering, Create logical diagrams to figure out the loop pools in the database designs and functionality.
- Transport data across platforms.
- DB-Related Software Evaluation.
- Administer 3rd Party DBA Tools.
- Facilitate Training/Education.

NoVA Ascend Dynamics
TRANSFORMING VISIONS, IGNITING GROWTH

CMMI Level 5

Leading by Passion. Driven by Innovation

4000+	22+	1500+	85%
Professionals	Industries	Clients	Client Retention

Thankyou

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www.novaascenddynamics.com

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