



Novelty-Data Solutions

TECHNOLOGY, OFFSHORING, RESOURCING

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About Novelty-Data Solutions

Celebrating 5 years as technology solutions company.

Involved in professional and managed services in the technology space.

Successful in building ODC/NDC on BOT engagements for the tech companies.

Engaged in talent acquisition and provisioning solutions for the tech companies.

Our Mission

To provide a transparent , quality and cost-effective IT services to our customers

Our Vision

Trustworthy, Innovative, Agility, Collaborative

Professional & Managed Services

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- Full stack technology solutions
- Prototyping
- Application modernization
- Greenfield implementations
- CIO as a service
- Production Support and Improvisation

NDS is a technology solutions company specializing in providing IT solutions using latest stack, solution engineering, product engineering and verification services.

Professional & Managed Services

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Full Stack Technology

- Microsoft .NET,
- Mobile, Web & DB
- Big Data Hadoop
- Cloud Computing
- App Dev and APIs
- DevOps
- Firmware
- Hardware

Solution Engineering

- Concept to prototyping
- Productionizing
- Design, Architecture
- End to End Development
- Functional Testing
- Automation Testing
- Security Engg.
- Performance Engg.

Application Modernization

- Web applications
- BPM/A
- BI solutions
- Mobile applications
- Systems migration
- Cloud migration
- Infra migration
- Onprim Engg.

Managed Services

- IT support services
- 24/7 support services
- Change management
- Operations management
- BOT Engagement
- Backup and disaster recovery solutions
- Audit & compliance

CoE , Offshore / Nearshore Delivery

- Some of the Organizations we work with: Columbia Asia Hospitals, NIMHANS, BluWireless Technology, DabKick Inc, Prakat Solutions, RoboSoft Technologies, VeeVee Controls, Xurmo Technologies.
- Engagement model: Long term strategic partnership, advisory & consulting with short-term & context-based for on-demand.

Business Imperatives

- Engage with Global Development Centres of Tech companies, in the US & India, to support their Product Engineering. QA, Security & Performance engineering, and developing dedicated Talent Pools across.

People at the Knowledge Center

- The Centre comprises of Developers, QEs, Domain/ SMEs, DevOps Engineers & Program Leads, working alongside the Customer ITS Organization.

How it works

- The Knowledge Center works with Development/Engineering Groups at GDCs in essentially creating a roadmap for the ITS Organization's outsourcing models – both onsite & nearshore and offshore.

Talent Management Solutions

- Rapid enablement solutions
- Performance management solutions
- Employee engagement solutions
- Talent assessment solutions
- Recruitment and talent acquisition solutions
- Contract to hire solutions.

Overall Competency Stack

Areas	Tools
Development Stack	MS-.NET, Java, Spring ,Hibernate, JavaScript – React JS, Node JS, Angular JS, Liferay. PHP, Python, Ruby, RESTful Services, Accessibility Development & Mobile App Development
Revision Control & Code Management	Git, SVN, Clearcase, Subversion, TFS
Continuous Automated Testing	Selenium, JUNIT, Jmeter, TestNG, Cucumber, Rspec, Webservices (SOAP & REST)
Software Configuration Management	Chef, Puppet, Salt, Vagrant, Docker, Rundeck, TFS
Build and Deployment	ANT, Maven, Bundler, TFS, AWS
Release Engineering	Jenkins, Bamboo, TFS, Spinnaker
Bug Tracking	JIRA, Bugzilla, Mantis, TFS
Monitoring	Nagios, New Relic, Dynatrace, System Center, App Dynamics
Log Analysis	Splunk, ELK
Cloud	AWS, Azure, Google
Virtualization	Hyper-V, VMware
Databases	Relational - Oracle, DB2, MS SQL, MySQL, MariaDB, Postgres NoSQL – MongoDB, Apache Cassandra, CouchDB

Domain Expertise

Our Capabilities – Established over a period of 10 Years

Consumer Products



Healthcare



Retail | eCommerce



Technology



Energy & Utilities



Service Layers

Application Development | APIs

Product Engineering & Firmware

Transformation & Cloud Platforms

Data Science Practice

Quality Engineering | TCOE

DevOps | Reliability

Specialized Services

Accessibility | Tech for Persons-with-Disabilities

MVP Development | PoCs | Pilot Prototypes

Start-up Partnerships for New Tech

Accessibility | Training & Workshops

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Development Approach

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API First

Start with capabilities needed in the platform and define APIs to enable them



Performance Instrumented

Built to ensure consistent performance and auto scaling



DevOps Driven

Consistent process and automation to scale platforms across regions / locations



Data Science Enabled

Focus on exploratory decision making by enabling data science to find opportunities



MicroServices Based

Develop self-contained micro-services built for change and scalability

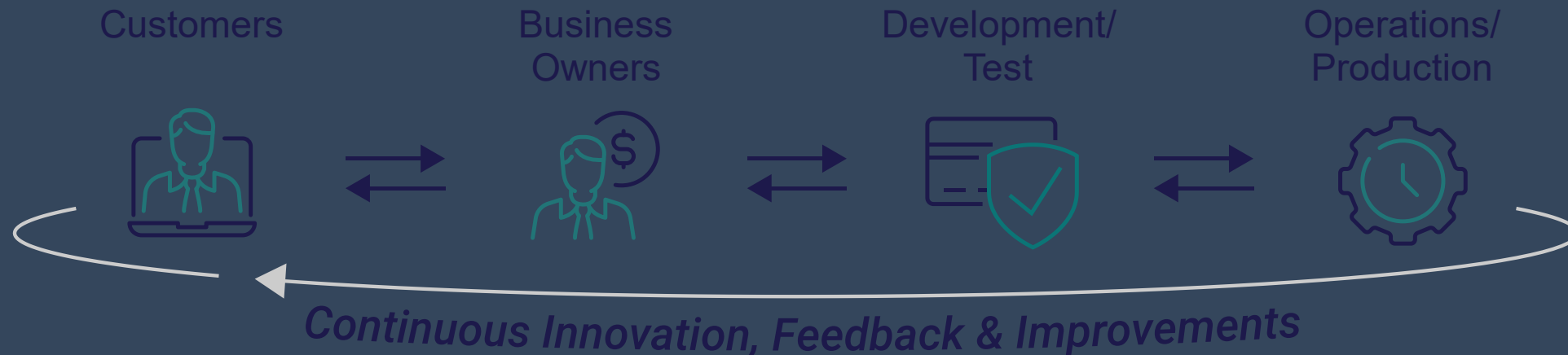


Cloud Ready

Deployment agnostic application architecture

DevOps Approach

DevOps Lifecycle



✓ Plan & Measure

✓ Develop & Test

✓ Release & Deploy

✓ Monitor & Optimize

Business Benefits

- Faster delivery of features
- More stable operating environments
- High productivity

Technical Benefits

- Continuous software delivery
- Less complex problems to fix
- Faster resolution of problems

Hardware & Firmware Capability

ASIC/SOC/IP Level VERIFICATION

Expertise – Methodology, Tools/Technologies

- Strong experience in functional, formal and assertion based verification methods
- Architecting the IP/SoC level testbench
- SV, OVM, UVM, SystemC capabilities
- Experience working with various protocols such as AXI/Ethernet/PCIE protocols
- Digital and Mixed Signal Verification

Expertise – V&V Process Areas

- Test Bench architecture
- SOC level verification
- IP/Module/Block level verification
- Specification and design
- Block level testing
- Top level stress testing
- System level testing
- Regressions
- Metrics, coverage and closure
- Checkers, Properties, Configuration control

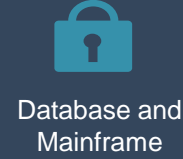
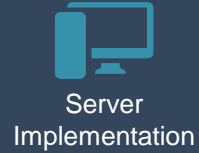
Verification Services

- Verification Methodology Consulting
- Development of verification plan and verification test benches
- Design Emulation
 - FPGA/Silicon
- Test build and verification management
- Migration of legacy test bench to UVM/OVM

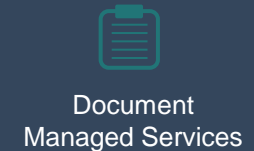
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Infrastructure Management & Services Offerings

Data Center Solutions



Workplace Solutions



Network & Security Solutions

Network Infrastructure Solutions

- Data center network solutions & services
- Application/network performance management
- Unified Communication Services

- Campus LAN/secure wireless LAN
- Network Security Solutions
- Wide area network solutions & services

Security Infrastructure Solutions

- Security intelligence & analytics
- Endpoint security solution
- Identity & access management
- IT perimeter security solution

Managed Network Services | IT Asset Lifecycle Management | Service Desk

Cloud Solutions

ENT Software

- Cisco Licensing
- Oracle Licensing

Cloud Migration & Implementation

- Application
- On premise to cloud
- Hybrid configurations
- IaaS
- Disaster recovery
- Backup as a service
- Data

Cloud Advisory & Assessment Services

- Workload assessment
- Migration planning

Testing as a Service

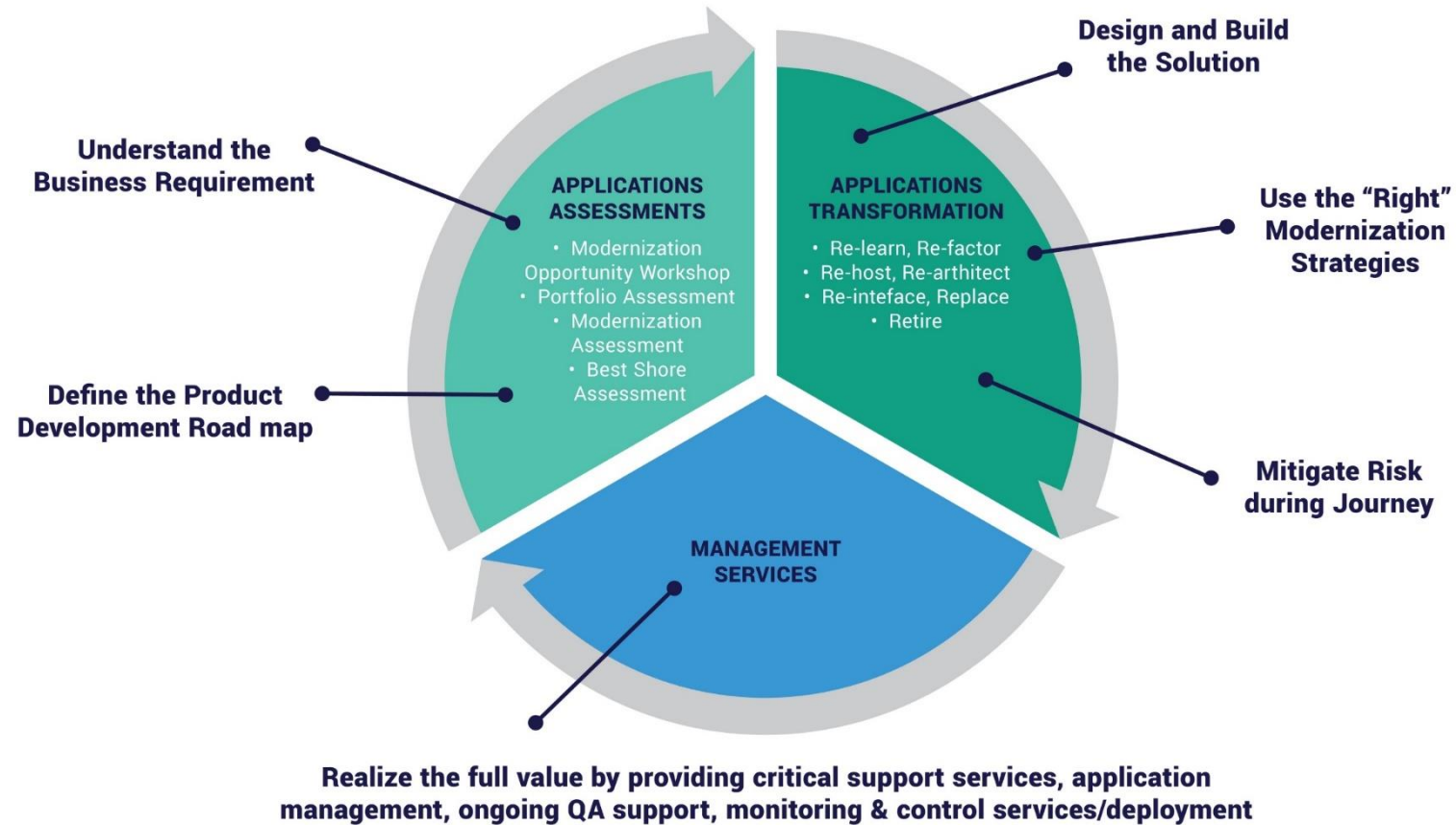
Consulting | Offshore Projects | Staff Augmentation | Hybrid Models

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LIFECYCLE | Modernization & Transformation

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Cloud Consulting Services

CLOUD IMPACT ANALYSIS

Requirement Analysis
Component Benchmarking
Planning

CLOUD INFRASTRUCTURE

Consulting
Designing & Deployment
Network Management



- ✓ Industry best practices
- ✓ Assured time bound completion
- ✓ Flexibility to add more value
- ✓ Assured application availability
- ✓ Maximize your ROI
- ✓ Security

MANAGED OPERATIONS

Consulting
Storage & security
Visualization

SERVICE PROVIDER MODEL MODERNIZATION

Standardization
Evaluation
Effective with less cost

Innovative Engagement Models

Clear Glass Engagement (CGE) Model

To facilitate an offshore delivery centre for services, resources and infrastructure in a rapid and 100% transparent manner.

CGE is an enhanced engagement model over traditionally known “Open Book Pricing” or “Cost Plus Pricing” models

Main differentiator being **transparency, agility, and enduring value system.**

More information, please contact us at:

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THANK YOU