EITZAC INC.

"Empowering businesses to achieve their digital capabilities"

Index

ABOUT US

About Us

1 In business since 2019. Headquartered in the New Jersey, United States.

2 Venture-backed, PE-backed, and Multi-National Customers in the United States.

3 100%, yes, 100% of our Customers are delighted, happy or satisfied with our solutions and services.

4 Win-win commercial models with co-investments, risk sharing, and alignment of interests

5 Center of Excellence (CoE) solution – Time to Differentiation, Time to Market, Time to Revenue

6 Strategic Consulting, Technology Consulting, Technology & Business Process Outsourcing

EITZAC INC.

About Us

7 Global Engineering and Solutions Delivery Centres – US and India. 24 x 7 x 365

10 Expertise in Enterprise Apps, Cloud, Big Data, Analytics, Website development, Social Media & Mobility

8 Executing dozens of multi-year outsourced engagements and hundreds of tech projects for the last 2years.

11 Expertise in Enterprise & Mobility technologies like iOS, Android, Micro Services etc.

9 Mature capabilities in AI, Machine Learning, NLP and Internet of Things.

12 Expertise in .NET, Java/J2EE, Python, RDBMS, No SQL Database, Business Intelligence, Reporting, DWH, Hadoop Distributions etc..

EITZAC INC.

CORE SERVICES
OFFERING

Core Services Offering

EiTZAC Engage

Strategic Consulting:

❖ Delivered by former CIOs of Fortune 500 companies.

Technology Consulting:

❖ Delivered by Technology, Domain and Subject Matter Experts

Contracting:

❖ Onsite deployment of Engineering and Project Management Talent

EiTZAC Engineer

Software Engineering:

❖ Enterprise, Mobility, Cloud, Social Media, Analytics, E-commerce Web development

❖ Applications Development, Maintenance and Support

❖ Independent Testing & Validation

❖ Projects, Outsourcing & Offshoring

❖ Delivery from USA, Asia, and Europe

EiTZAC Processes

Knowledge Process Outsourcing:

❖ Recruitment Process Outsourcing

❖ Revenue Cycle Management

❖ Help Desk & Customer Support

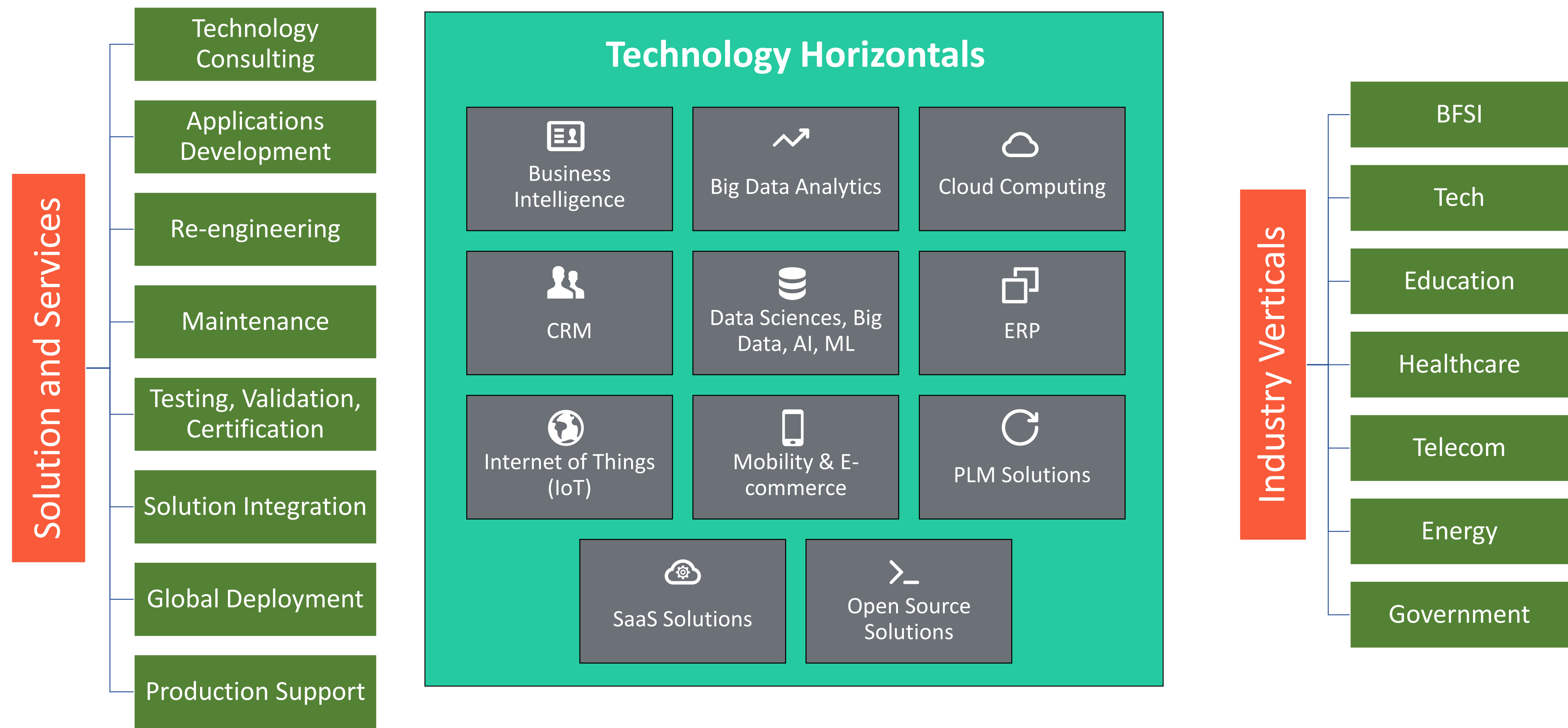❖ Digital Design Services

❖ Focus on Mid to Large size customers.
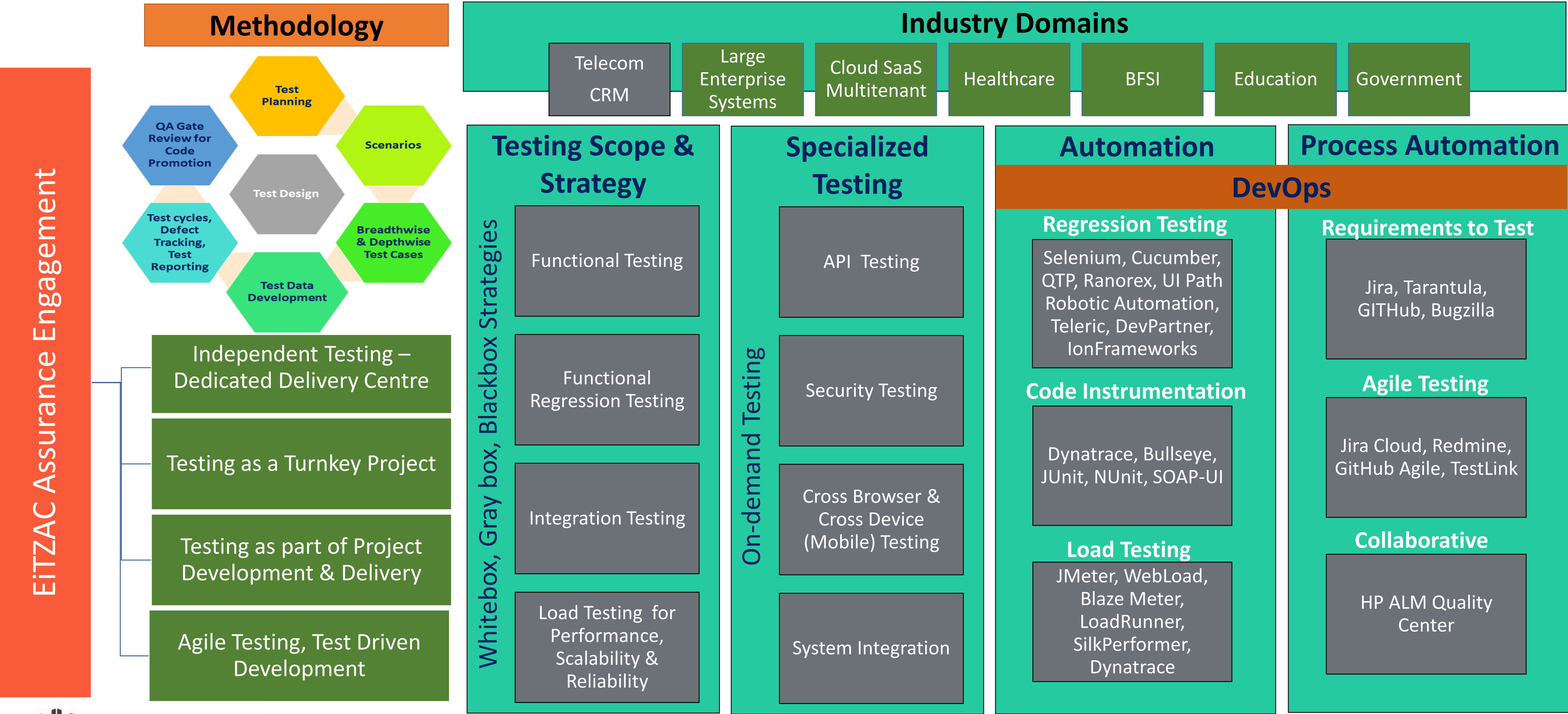
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HORIZONTAL
&
VERTICALS

HORIZONTAL & VERTICALS

Solution and Services

- Technology Consulting
- Applications Development
- Re-engineering
- Maintenance
- Testing, Validation, Certification
- Solution Integration
- Global Deployment
- Production Support

Technology Horizontals

Business Intelligence	Big Data Analytics	Cloud Computing
CRM	Data Sciences, Big Data, AI, ML	ERP
Internet of Things (IoT)	Mobility & E-commerce	PLM Solutions
SaaS Solutions	Open Source Solutions	

Industry Verticals

- BFSI
- Tech
- Education
- Healthcare
- Telecom
- Energy
- Government

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EiTZAC-ASSURANCE : TESTING SERVICES

Methodology

- Test Planning
- QA Gate Review for Code Promotion
- Scenarios
- Test Design
- Test cycles, Defect Tracking, Test Reporting
- Breadthwise & Depthwise Test Cases
- Test Data Development

EiTZAC Assurance Engagement

- Independent Testing – Dedicated Delivery Centre
- Testing as a Turnkey Project
- Testing as part of Project Development & Delivery
- Agile Testing, Test Driven Development

Industry Domains

Telecom CRM	Large Enterprise Systems	Cloud SaaS Multitenant	Healthcare	BFSI	Education	Government

Testing Scope & Strategy

Whitebox, Gray box, Blackbox Strategies

- Functional Testing
- Functional Regression Testing
- Integration Testing
- Load Testing for Performance, Scalability & Reliability

Specialized Testing

On-demand Testing

- API Testing
- Security Testing
- Cross Browser & Cross Device (Mobile) Testing
- System Integration

Automation

DevOps

Regression Testing

Selenium, Cucumber, QTP, Ranorex, UI Path Robotic Automation, Teleric, DevPartner, IonFrameworks

Code Instrumentation

Dynatrace, Bullseye, JUnit, NUnit, SOAP-UI

Load Testing

JMeter, WebLoad, Blaze Meter, LoadRunner, SilkPerformer, Dynatrace

Process Automation

Requirements to Test

Jira, Tarantula, GITHub, Bugzilla

Agile Testing

Jira Cloud, Redmine, GitHub Agile, TestLink

Collaborative

HP ALM Quality Center

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10

TEST INFRASTRUCTURE

Innovative People

- Domain experts
- SMEs
- Automation experts
- Solution experts

- Availability of facility
- Equipped, secured data center
- 24/7 IT support
- Tools licenses

Test Lab

IonIdea's Test Infrastructure

Flexible Process

Efficient Tools

- Consultancy
- Leverage Open sources
- Leverage frameworks

- Alignment and adoption of process, tools and methodology
- Onsite, Offshore, Hybrid model

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11

INDUSTRY VERTICALS

Industry Verticals – Banking & Finance and Insurance

EiTZAC founder has been in the Insurance business for over 6 years, where he worked in the CTO organization on manty Transformation programs, in different areas of capacities helping to achieve business goals.

1. **100+** People engaged in new product/application development and enhancements for Bank of America and Wells Fargo.

2. Complete ownership of **10-15+** IT products / applications in each Wells Fargo, AIG, and Bank of America.

3. An average of **80 – 100** people dedicated to AIG transformation initiatives and implementation of **DWH** and **DataMart** Solutions for Enterprise Reporting.

4. Independently delivering E2E solutions to AIG global offices in Generating a revenue of **10+** M from the Telecom business.

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Industry Verticals - Retails

IT Solutions

❖Ground up Software and Solutions Development

- P.O.S
- Inventory Management Applications
- Supply Chain Management Applications (In-Bound and Out-Bound)
- E-commerce
- Data Warehouse and DataMart solutions
- Data Mining
- ETL and BI services
- Maintenance and support of existing retail application
  - ERP implementation for retail
  - Third party retail IT implementation
- Data migration and application migration of existing application
- Consulting services
  - Domain Expertise
  - Technology Expertise
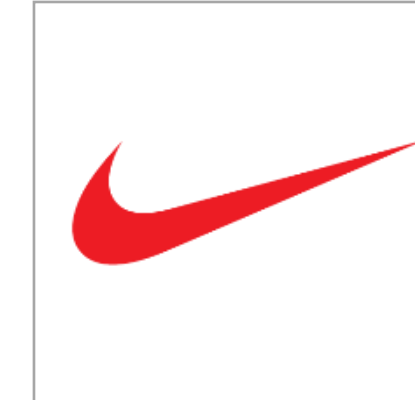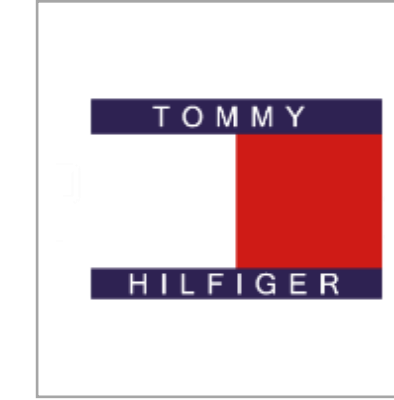
Industry Verticals - Healthcare

1 Product and Process Life Cycle Management

- Drug Design, Development and Transfer to Production
- Regulatory Compliance and Productivity Improvement
- Data Storage and Governance
- Infrastructure Integration to facilitate cross site/center data sharing
- Electronic Data Management and SOA Based application integration.

2 Strategic Consulting

- Development of BI and KM Strategy
- Technical Architecture (Data Discovery & Integration, Analytics, Performance Management, and Reporting)
- Data Governance: Maturity Assessment, Development of Best Practices for Data Integration/Data Warehousing, Compliance, Master Data management, Information As A Service (IAAS), Meta Data Management, Data Migration
- ITIL: IT Infrastructure Transformation

3 Application Engineering

- Business Application Integration using SOA
- BPM: IDS Scheer ARIS Implementation

Technology Competencies

Java, J2EE, LAMP	Core Java, EJB, Servlets, JMS, JTS, JTA, JAAS, JDBC, JNDI, Java Mail, Swing, Applets, JAX.	Rekognition, OpenCV, Google AI,	**AI/ML**
Microsoft Technologies	.NET Framework (VB, C#, C++, WPF), SharePoint, Silverlight, Open XML SDK, WFC	Apache Hadoop, Hortonworks HDP, Cloudera, Python, Pig, Hive, HBase, Sqoop, Flume, Cassandra, MongoDB, Spark, R, Map Reduce, Apache Kafka, Tableau, Microstrategy, Oozie	**Big Data & Analytics**
Databases & ORM Frameworks	Hibernate , TopLink, iBatis, Java Persistence API (JPA), Oracle, MySQL, DB2, PostgreSQL, Informix, SQLite DB, MS SQL Server, SNOWSQL	HTML, HTML5, PHP, JSP, JSF, Angular JS, Ajax, CSS3, JavaScript, jQuery	**Front-End**
Web Application Frameworks	Struts 2.0, Spring, Tapestry, Wicket, Apache MyFaces, Google Web Toolkit (GWT), JBoss Seam, Oracle ADF, CodeIgnitor, Zend, CakePHP, Ruby On Rails.	Silk Test/Performer, HP UTF (QTP), Loadrunner, Testpartner, Selenium, STAF, JMeter, Bugzilla, Jira, JUnit, TestNG, NUnit,	**Testing**
Application Servers	Apache Tomcat, JBoss, WebLogic, IBM WebSphere, Oracle Application Server and Sun Servers (Glassfish), IIS	Google Cloud, AWS, Microsoft Azure, IBM Bluemix	**Cloud Solutions**
SOA/ESB/EAI	XML, SOAP, REST, WSDL, UDDI, BEA AquaLogic, OpenESB, Vitria, BizTalk, XMPP, JSON, ActiveMQ, RabbitMQ, JBoss BRMS etc.	Android SDK, iOS SDK, PhoneGap, WebGL, Sencha, MobileIron MDM, Django, Cocoa Touch Framework, Bluetooth Manager Framework, Google Map Frameworks, GIMP, GIT, OAuth2.0	**Mobility**
LDAP	Open LDAP, MS Active Directory, Novel GroupWise	Facebook SDK, Google+ SDK, LinkedIn SDK	**Social Media & Enterprise Applications**

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TECHNOLOGY HORIZONTALS

Technology Horizontals – Big Data, Analytics

EiTZAC is a an E2E solution provider in **Machine Learning (ML)** & **Cognitive Sciences (CS)** on Big Data Technology Stack. We have expertise in delivering solutions using open-source Apache Hadoop and Enterprise distributions of Hadoop.

Industry Focus

- Telecommunication
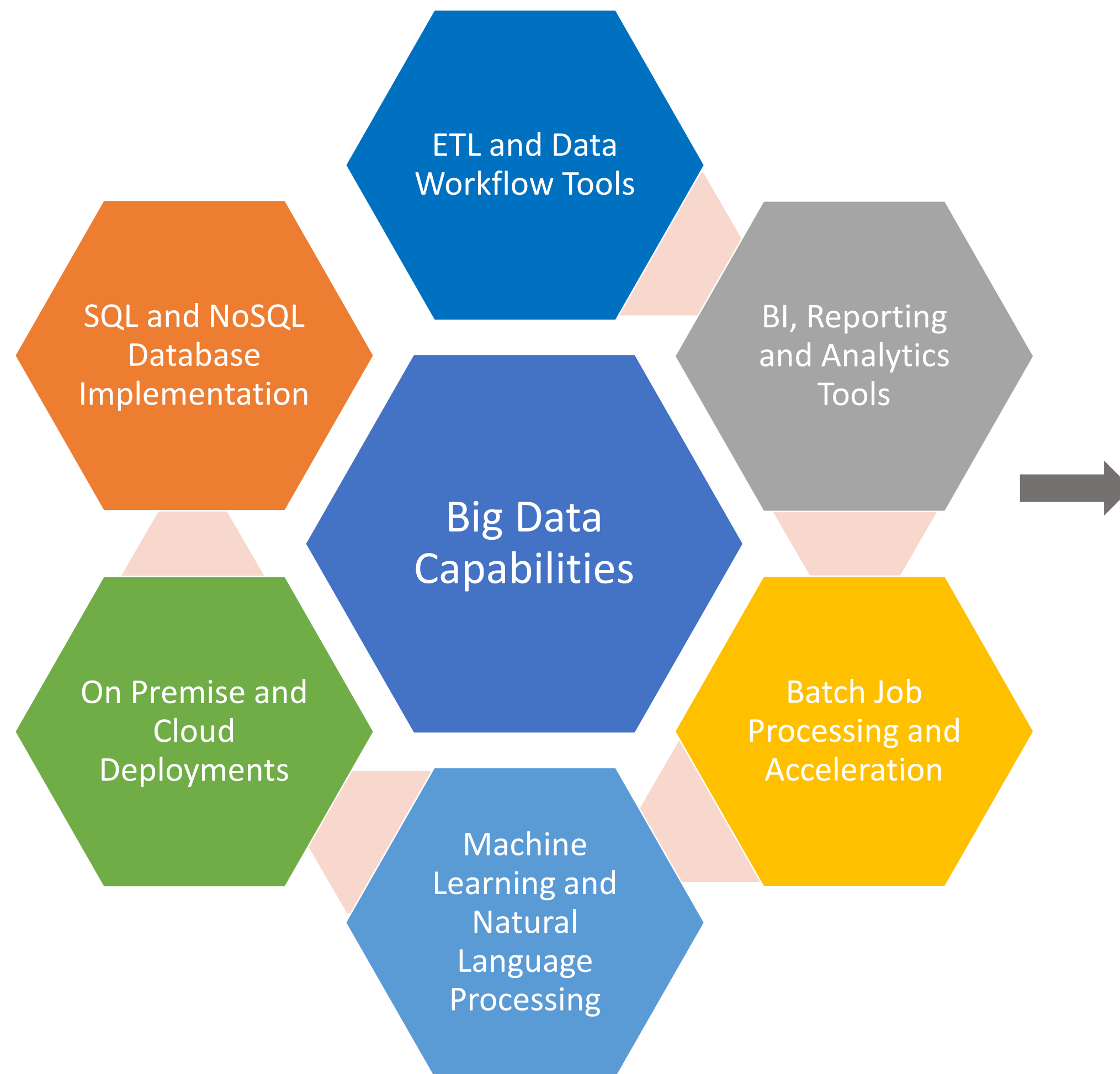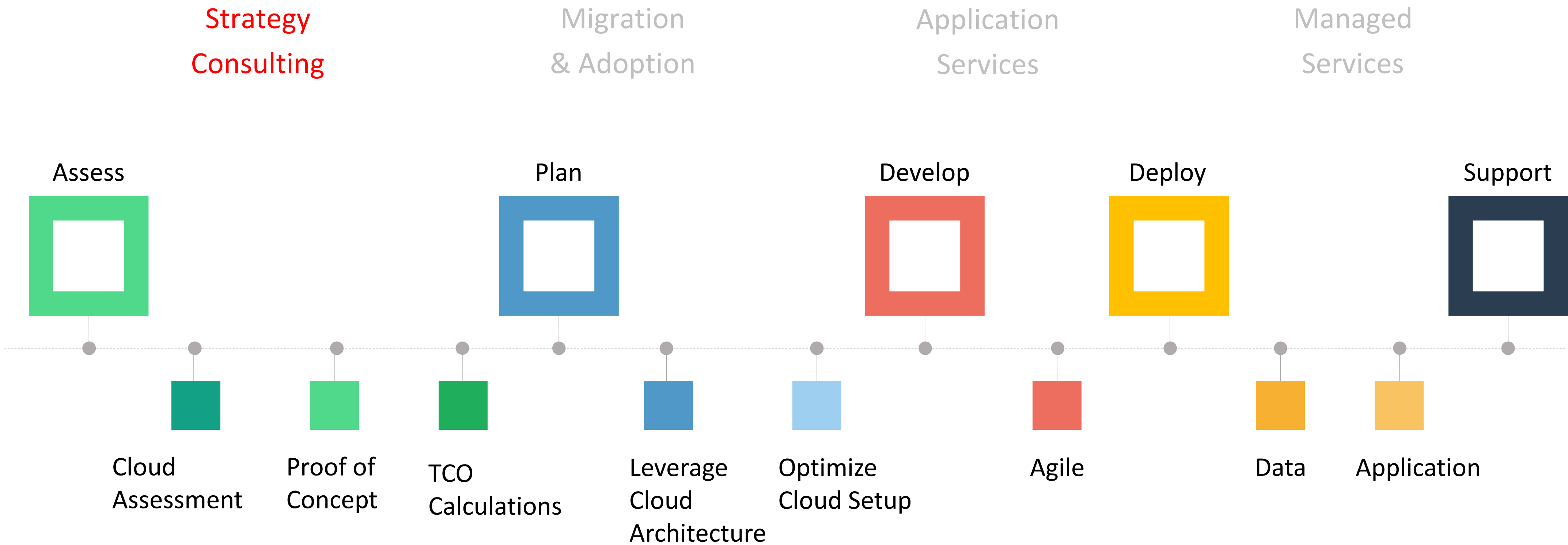- Banking & Finance
- Healthcare
- Retail

Technology Focus

amazon web services, cassandra, CouchDB relax, cloudera, APACHE HBASE, Hortonworks, hp, hadoop, IBM, kognitio, MAPR, membase, Microsoft, MicroStrategy, mongoDB, ORACLE NOSQL DATABASE, pentaho, Pivotal, Qlik Q, redis, MATILLION, SAP, TERADATA, tableau SOFTWARE, snowflake

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Technology Horizontals – Big Data, Analytics (Services)

- ETL and Data Workflow Tools
- SQL and NoSQL Database Implementation
- BI, Reporting and Analytics Tools
- **Big Data Capabilities**
- On Premise and Cloud Deployments
- Batch Job Processing and Acceleration
- Machine Learning and Natural Language Processing

1. Ability to design ETL Jobs using legacy ETL tools including Informatica, DataStage, AB Initio, Talend and modern data architecture workflows including Matillion, Flume, Sqoop, Kafka and Storm.

2. Developed standard pluggable components for ingesting data streams from various data sources including LinkedIn, Twitter, Facebook, Pinterest, Blogpost, RDBMS, EDW/CDW, ERP, CRM and bring it into HDFS, or NoSQL Databases.

3. Ability to perform extensive Business Analytics, Reporting and Dash Boarding using feature rich BI, Reporting and Analytics Tools including Pentaho, Tableau, Microstrategy and SAS.

4. Migration of legacy and creation of fresh batch processing jobs using Hadoop MapReduce frameworks and Pig Scripts with an exceptional skill of fine tuning the jobs performance.

5. Developed a pluggable component to interwork with any Hadoop distribution to accelerate the execution of batch jobs by more than 100% and reduce the storage consumption by over 50%, using custom designed algorithms.

6. Ability to develop interactive and batch applications which can work with both SQL and NoSQL Databases (Row Oriented, Column Oriented, Document Based, Graph Based) including HBase, MongoDB, Cassandra, SQL, Snowflake (SNOWSQL).

7. Developed custom applications which use Machine Learning and Natural Language processing capabilities to predict Customer Churn Rate, perform Sentiment Analysis and predict Customer Buying Behaviors and Patterns.
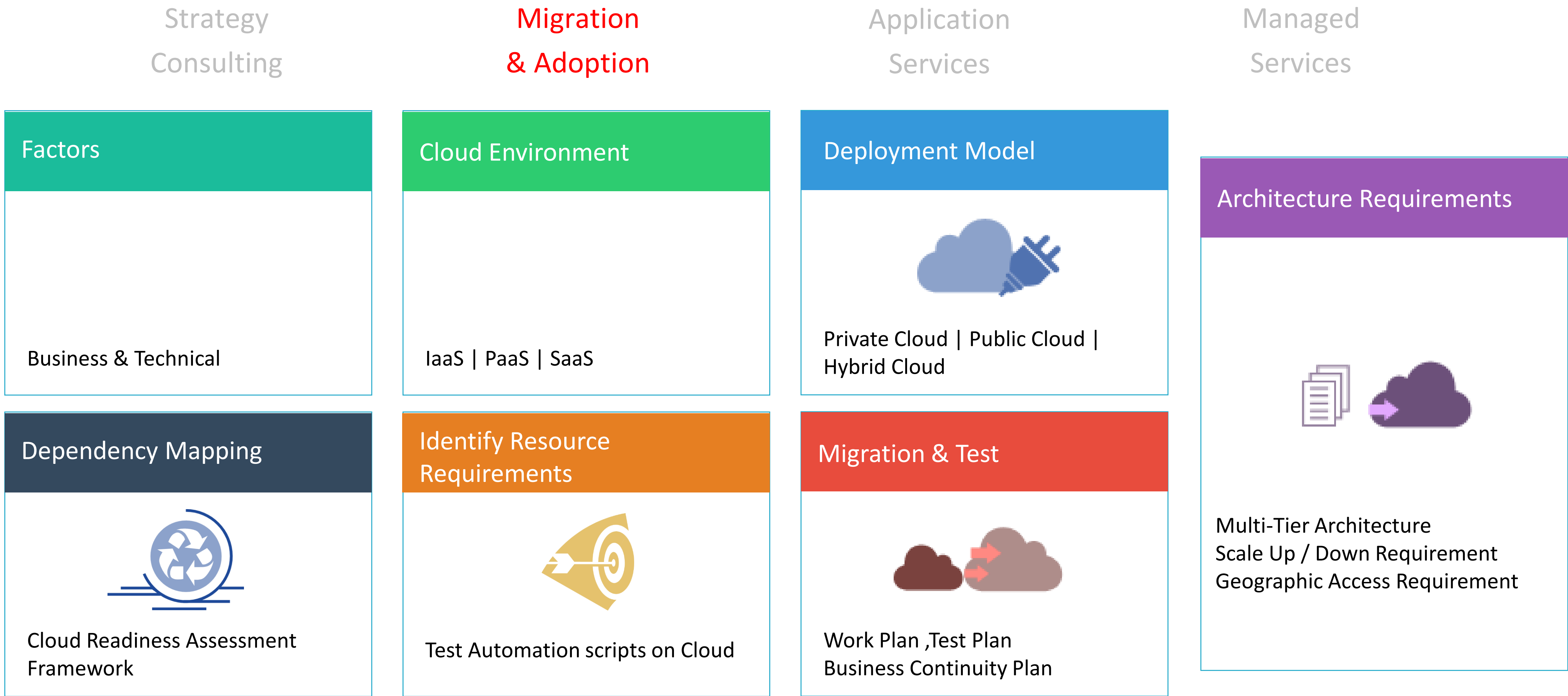
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19

Technology Horizontals – Cloud Migration and Implementation

Strategy Consulting   Migration & Adoption   Application Services   Managed Services

Assess   Plan   Develop   Deploy   Support

Cloud Assessment   Proof of Concept   TCO Calculations   Leverage Cloud Architecture   Optimize Cloud Setup   Agile   Data   Application

EiTZAC provides industry oriented strategic cloud roadmap consulting

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20

Technology Horizontals – Cloud Migration and Implementation

Strategy
Consulting

Migration
& Adoption

Application
Services

Managed
Services

Factors

Business & Technical

Cloud Environment

IaaS | PaaS | SaaS

Deployment Model

Private Cloud | Public Cloud |
Hybrid Cloud

Architecture Requirements

Multi-Tier Architecture
Scale Up / Down Requirement
Geographic Access Requirement

Dependency Mapping

Cloud Readiness Assessment
Framework

**Identify Resource
Requirements**

Test Automation scripts on Cloud

Migration & Test

Work Plan ,Test Plan
Business Continuity Plan

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Technology Horizontals – Cloud Migration and Implementation

| Strategy Consulting | Migration & Adoption | Application Services | Managed Services |

Cloud Based Application Development across platforms & devices

LANGUAGES

DATABASES

CMS

OS

CDN

PUBLIC / PRIVATE CLOUD

APPLICATION

HYBRID CLOUD

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Technology Horizontals – Cloud Migration and Implementation

Strategy Consulting   Migration & Adoption   Application Services   Managed Services

Monitor
Application Availability and Performance Monitoring

Optimize
Analyze and optimize architecture to minimize cost

Security
Automated Vulnerability Assessment

Incident Management
AWS incident resolution

Asset Tracking
Automated AWS Asset Tracking

DevOps
Agile Infrastructure, Operations & Backups

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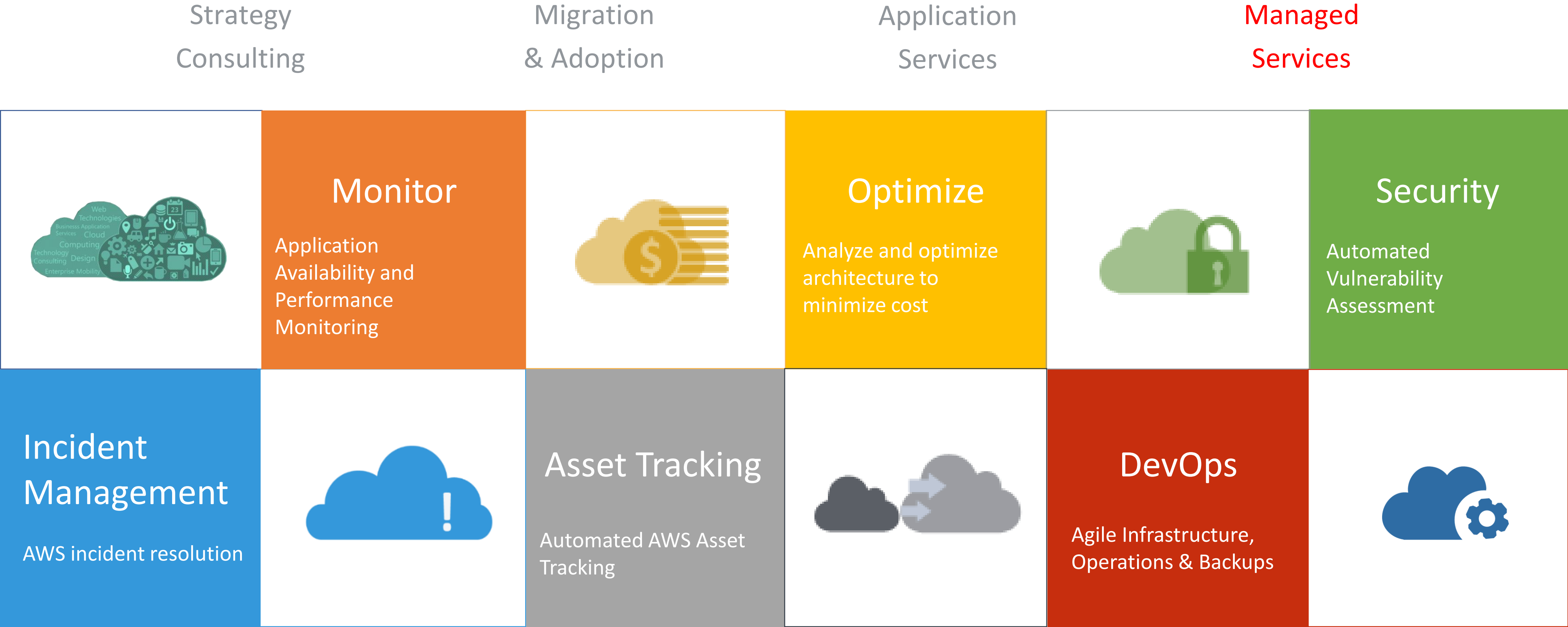
Technology Horizontals – Cloud Migration and Implementation

Our unique set of pre-build solutions and cloud migration process helps customers get onto cloud faster.

Cloud Readiness
Cloud Readiness Assessment Framework
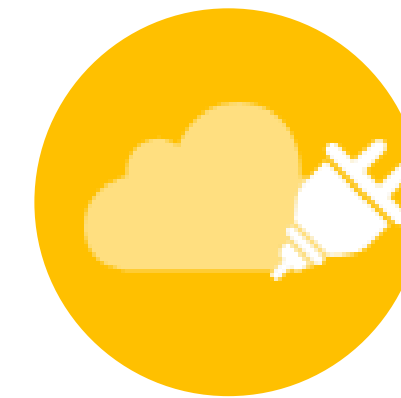
Test Automation
Test Automation scripts on Cloud

Deployment Management Tools
Integration of AWS Cloud
Formation and Ops code Chef Tool

Backup
Automation scripts for Backup, Archive &
Disaster Recover

Big Data
Hadoop distribution best fit comparison
framework

Vulnerability Assessment
One Click Vulnerability Assessment on Cloud

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Technology Horizontals – ETL, DWH, BI

Traditional Enterprise Data Warehouse has been a key component in the analytics chain and has served enterprises well for several years helping them make critical business decisions successfully. But, with the growth in landscape of data sources and system, increase in velocity and variety of data, limitations in traditional architecture have become more apparent:

- Cold or rarely used data is stored in expensive, high performance data systems across the architecture, forcing enterprises to sacrifice value of deeper analytics enabled by additional data to save costs.
- Relatively low-value Extract-Transform-Load (ETL) workloads are performed on rarely used data and consume significant processing cycles in high performance systems.
- New types of data, such as clickstream, sensor, and server log data, that do not fit predefined schema in the data architecture and EDW are poorly managed.
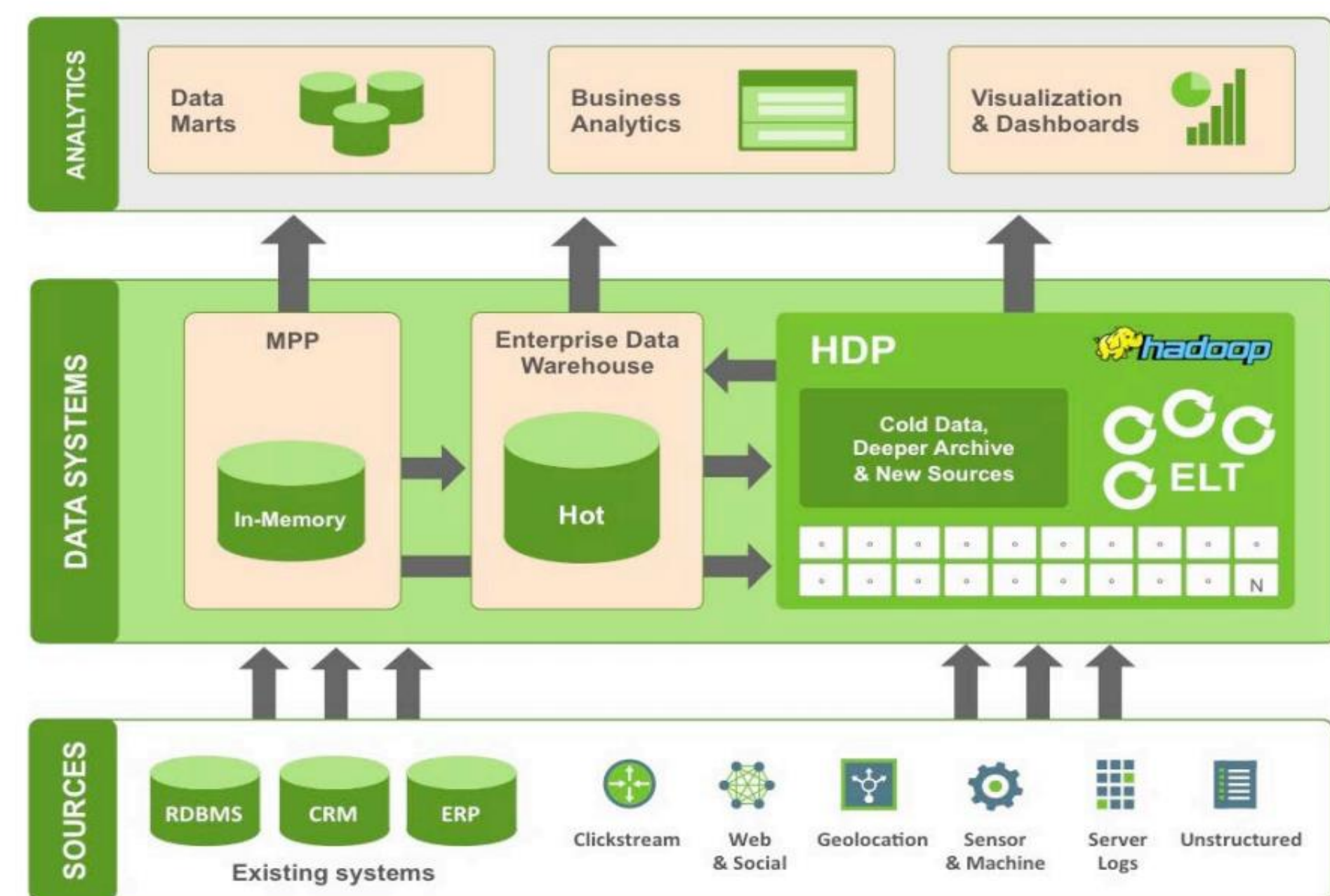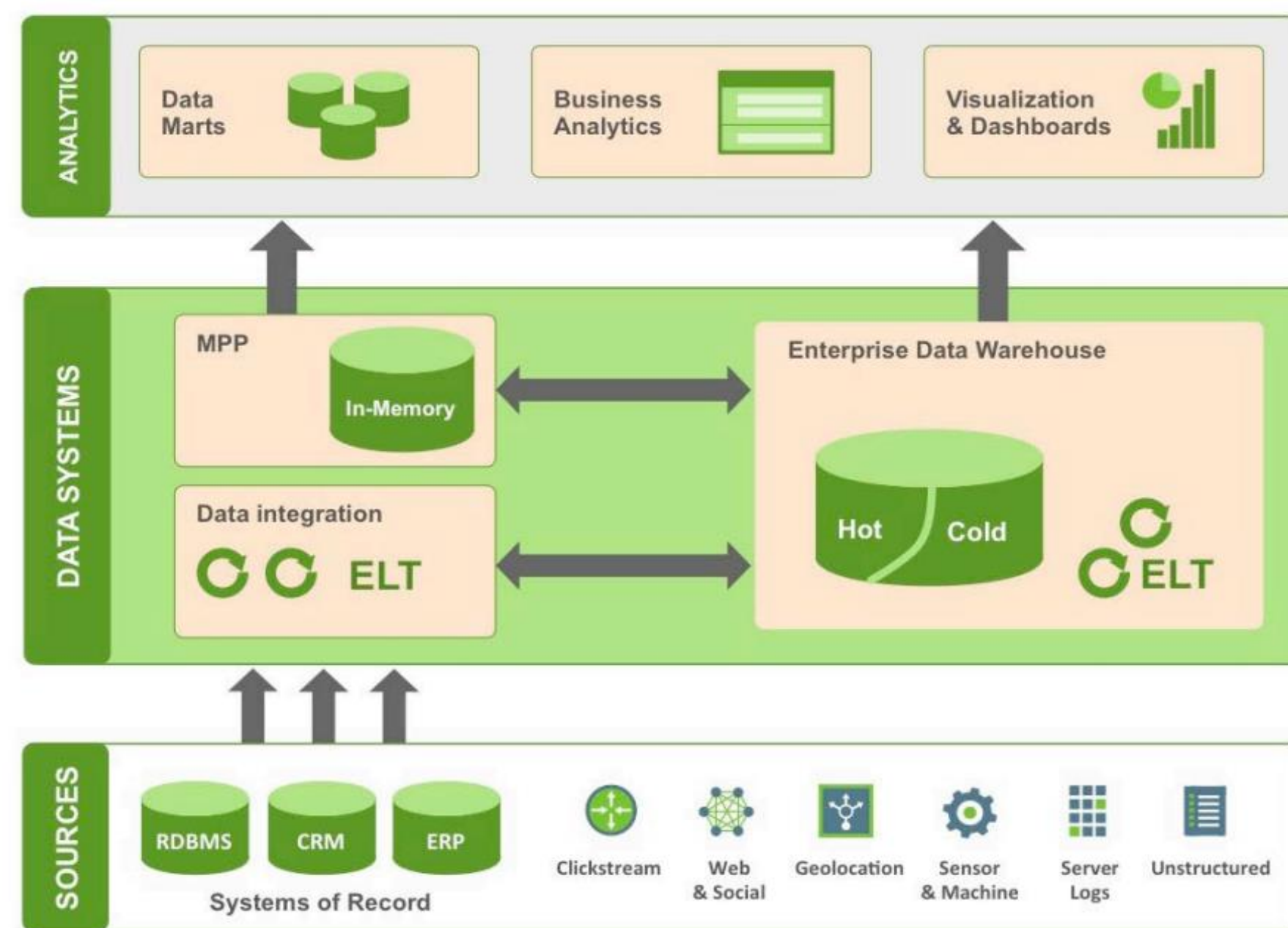
Technology Horizontals – ETL, DWH, BI (Value Proposition)

- IonIdea specializes in E2E design and implementation of both traditional and modern Enterprise DWH solutions.
- Demonstrated ability to build, transform or migrate legacy data warehouse implementations to Open-Source Hadoop Ecosystem or Enterprise Hadoop Distributions from Cloudera and Hortonworks, within large enterprises like Charter Communications and Cablevision.
- IonIdea is a certified system integration partner of Hortonworks and Cloudera, with a pool of resources equally competent on both the distributions.

ETL	Data Warehouse	Business Intelligence / Reporting
- Business Analysis - Infrastructure definition and Dimensioning - Tools Assessment - Data Source Assessment - Define ETL Flow, Dependencies and Transformation Rules. - Develop ETL flows using selected tools. - Testing	- Logical Data Modelling - Physical Data Modelling - Data Aggregation, Archival - Tools Assessment - Dimensional DataMart - Data Governance - Infrastructure definition and Dimensioning	- Define Reporting Goals - Define Reporting Templates, Format, Granularity - Tools Assessment - Report Development - Analytic Applications - Data Validation

Technology Horizontals – ETL, DWH, BI (Technical Capability)

ETL Capability

- Informatica – Power Center
- IBM - WebSphere DataStage
- SAP Business Object
- Oracle Data Integrator
- SQL Server Integration Services
- Sqoop
- Matillion
- Flume
- Kafka
- MapReduce
- Spark
- Pig
- Hive

Data Warehouse DBMS

- Oracle Exadata
- Oracle 11g, 12c
- Teradata
- Snowflake
- Greenplum MPP Database

BI-Reporting

- Microstrategy
- Tableau
- Business Objects
- Cognos
- Domo
- Qliksense
- SQL Server Reporting Services

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Technology Horizontals – Mobility Expertise

EiTZAC specializes in :-

1. **Design**, **Development** and **Testing** of applications using both Native SDK's and **Hybrid** (**M**obile **E**nterprise **A**pplication **P**latform) technologies on world's most popular mobile operating systems (**Android**, **iOS** and **Windows**).

2. Developing applications across multiple industry verticals including Telecom, Healthcare, Travel, Food and Shopping, Automobile, Social Media etc.

3. **UX** and **UX** design of responsive mobile application using **Material Design Language** from Google.

4. **Application Refactoring** and **Application Re-Engineering** to transform existing thick/thin applications to lightweight mobile friendly versions.

5. Designing and Architecting mobile applications using **Micro Services** and **HATEOAS Software Architectural style**.

6. Design and Development of collaborative applications based on WebRTC standards and protocol, which allows users to consume rich multi-media communication services without any additional software or client across platforms and devices.

7. **IoT** enabled/Friendly applications using **Publish/Subscribe Frameworks** based on industry recognized **MQTT** protocol.

8. Support both **on-premise** and **cloud-based** deployments.

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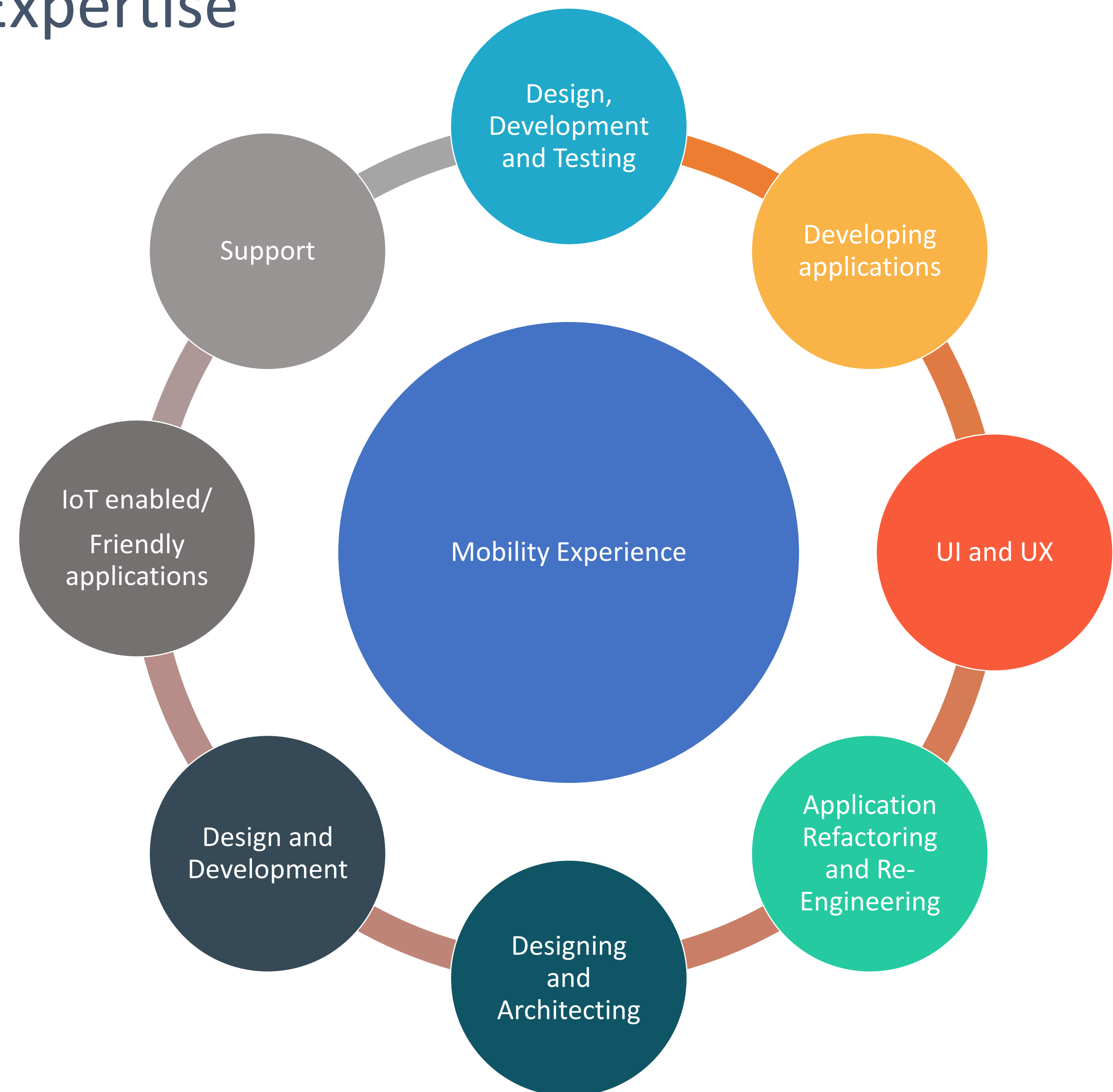
Technology Horizontals – Mobility Technology Stack

Hardware and Software Interface

- ✓ Near Field Communications (NFC)
- ✓ Location and Map Services
- ✓ Accelerometer
- ✓ Bluetooth
- ✓ Gyrometer
- ✓ OpenGL
- ✓ MQTT
- ✓ WebRTC
- ✓ Payment Gateway
- ✓ SMS Gateway

Application Development Capability

- ✓ HTML5, CSS3, BOOTSTRAP, jQUERY
- ✓ REST, HATEOAS based backend
- ✓ Application Server (Apache Tomcat, JBoss, WebLogic)
- ✓ In-Memory Database (SQLite)
- ✓ CAMEL and APNS integration for in-app notifications.
- ✓ Native Android SDK's, Apple SDK's (Objective-C, Swift)
- ✓ XML/JSON Data Interchange Format
- ✓ Load Balancing (NGINX, APACHE, F5 etc.)
- ✓ Geolocation, Geospatial support using Google API's, MongoDB
- ✓ Geo-Redundancy
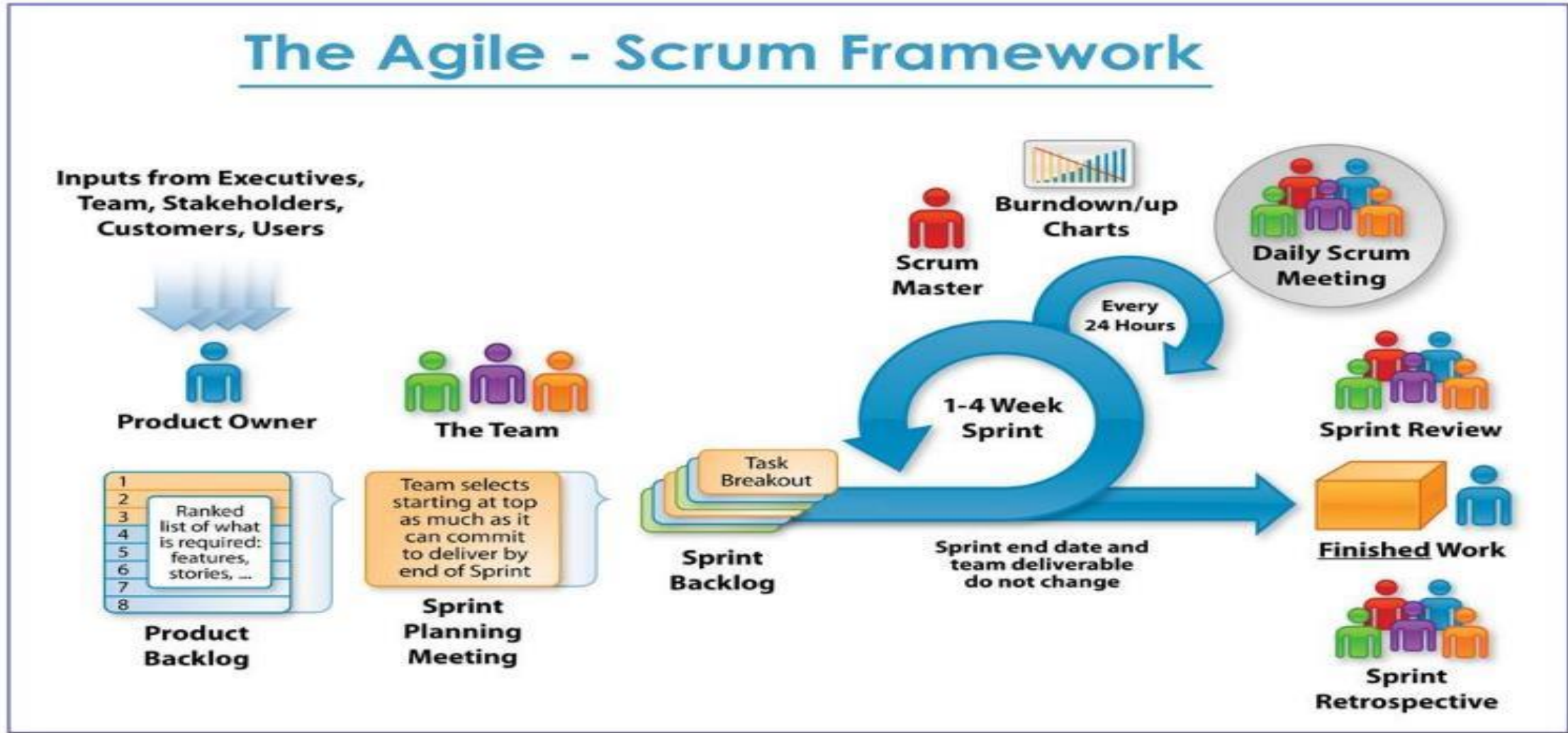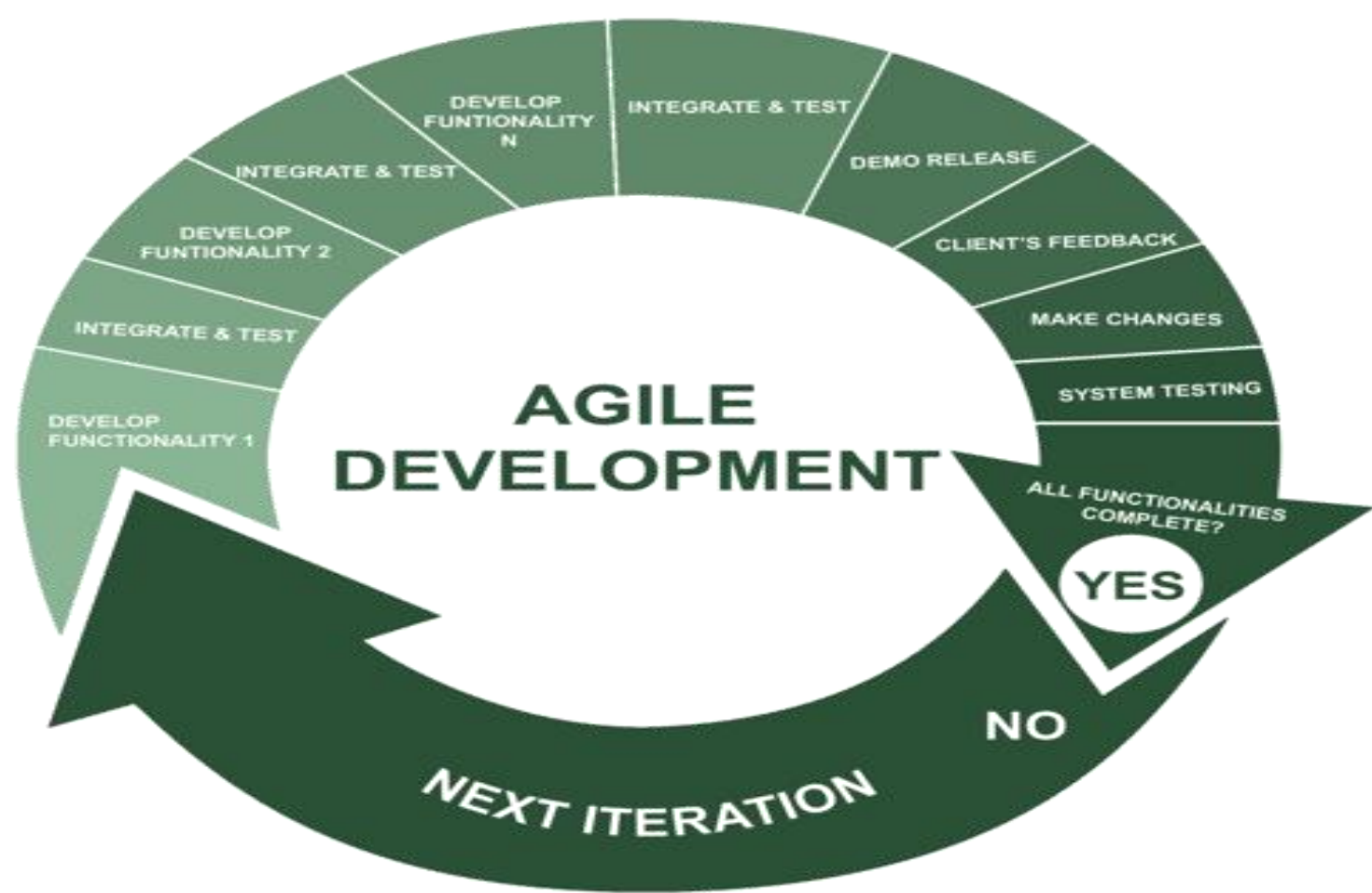- ✓ Cloud Based Deployment – Amazon AWS, GCP & Azure

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Project Execution
and Delivery Model
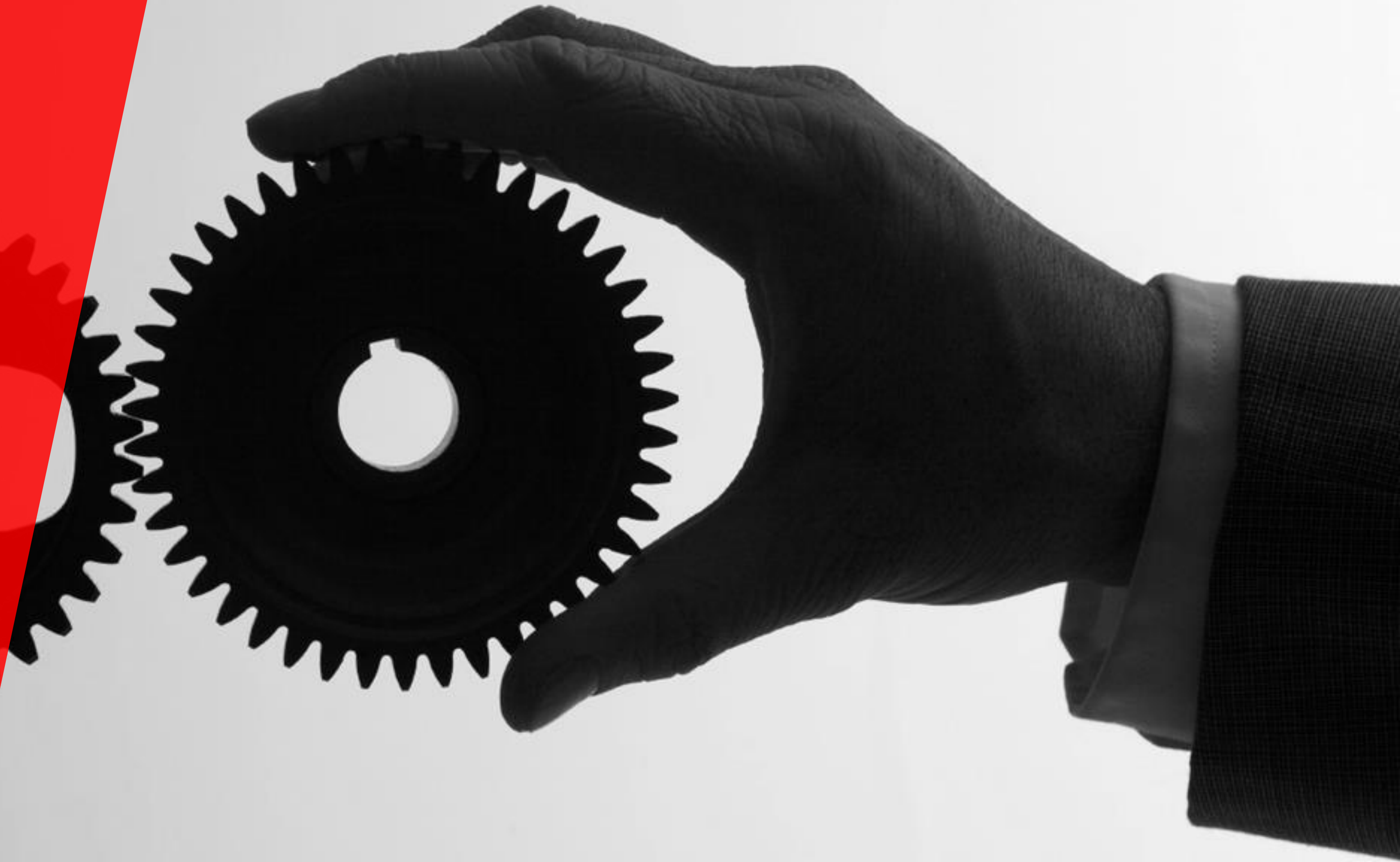
Project Execution and Delivery Model

EiTZAC's Express Methodology

Project Management Methodology

Contact us

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For more details kindly

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" Empowering businesses to achieve their digital capabilities"

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