# utthunga
### Engineering Transformation

# APPLICATION MODERNIZATION
## SERVICES

**Unlock Agility, Efficiency, and Sustainable Growth** by Bridging the Gap Between Legacy Applications and Cutting-Edge Technology

Transform your digital landscape into a sleek, efficient, and future-ready ecosystem with Utthunga's application modernization services. Embrace the future with our tailored solutions designed to revitalize your applications and optimize their functionality for the demands of tomorrow.

## WHY **MODERNIZE** YOUR LEGACY APPLICATIONS?

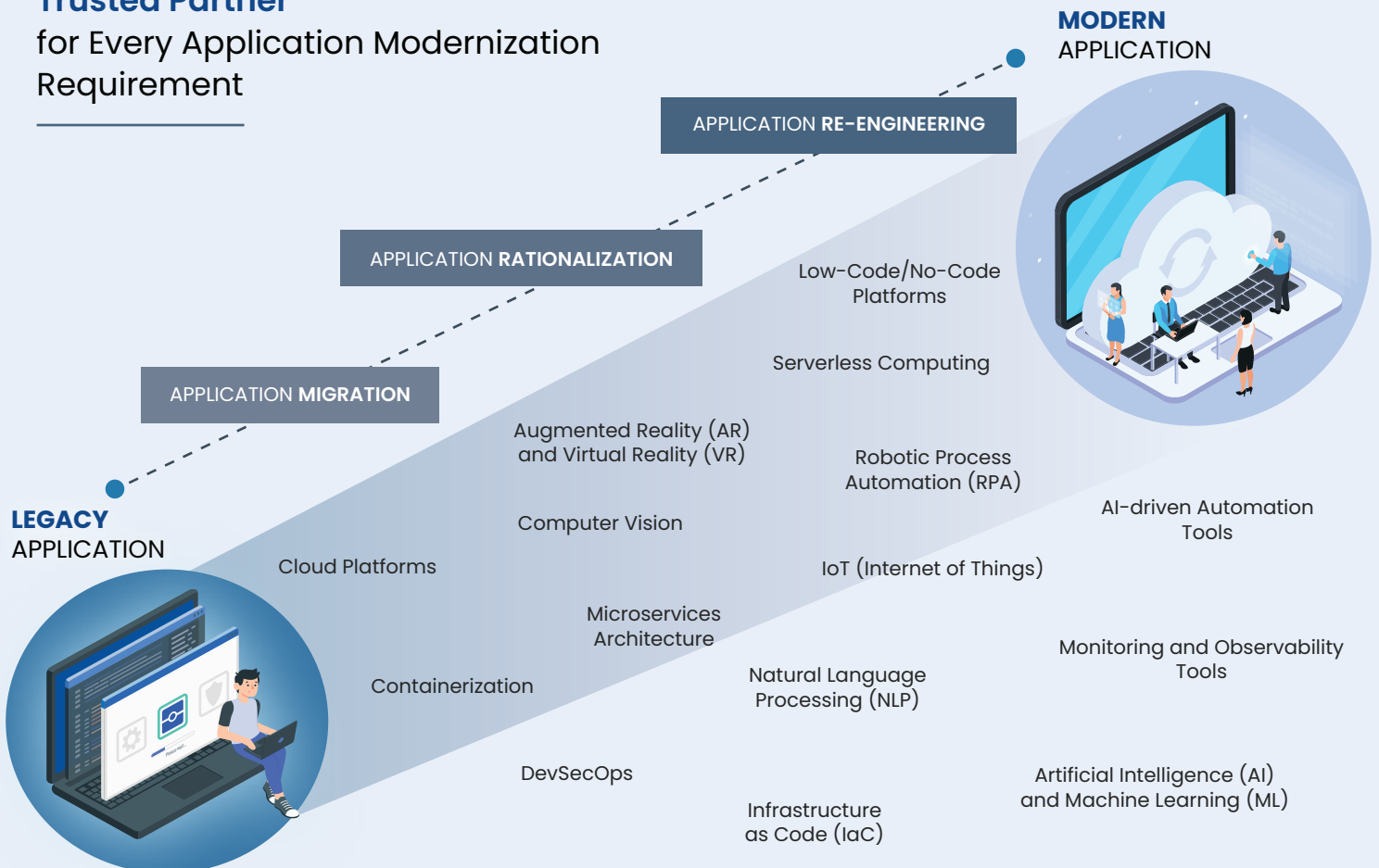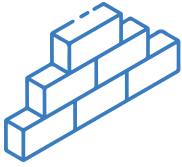| 30-50% | 74% | 10% | 14% |
|---|---|---|---|
| lower application maintenance and running costs | lower costs on hardware, software, and staff | improvement in application operational efficiency | boost in annual revenue on average for large organizations |

## Trusted Partner
## for Every Application Modernization Requirement

**MODERN** APPLICATION

APPLICATION **RE-ENGINEERING**

APPLICATION **RATIONALIZATION**

APPLICATION **MIGRATION**

**LEGACY** APPLICATION

Low-Code/No-Code Platforms

Serverless Computing

Augmented Reality (AR) and Virtual Reality (VR)

Robotic Process Automation (RPA)

Computer Vision

AI-driven Automation Tools

Cloud Platforms

IoT (Internet of Things)

Microservices Architecture

Monitoring and Observability Tools

Containerization

Natural Language Processing (NLP)

DevSecOps

Infrastructure as Code (IaC)

Artificial Intelligence (AI) and Machine Learning (ML)

# THE BUILDING BLOCKS
## FOR SUCCESSFUL MODERNIZATION

## EXPERIENCE
1 million+ man hours

## DOMAIN ACUMEN
Expertise in offering custom fit solutions to individual business use cases

## PROCESS

### Assess
Going beyond surface-level analysis, we uncover untapped potential and pave the way for transformative modernization strategies

### Mobilize
We assemble a dynamic and multidisciplinary team of specialists equipped with the latest tools and technologies to kickstart your modernization journey

### Modernize & Migrate
Through meticulous code refactoring, platform migration, and feature enhancement, we transform outdated systems into agile, scalable, and future-ready solutions

### Manage
Through rigorous testing, deployment, and post-implementation support, we deliver not just a product but a complete solution that drives measurable results and empowers your organization to thrive in the digital age

## TECHNOLOGY STACK
End-to-end technology stack to drive efficiency, scalability, and agility in your applications (from cloud-native solutions like AWS and Azure to containerization technologies such as Docker and Kubernetes)

## FRAMEWORKS / ACCELERATORS
Turbocharge your modernization journey with an arsenal of frameworks and accelerators
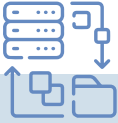
## RESOURCE POOL
Pool of top-tier talent with diverse expertise and experience to fuel your modernization initiatives

## EXPERTISE
Expertise and experience in leveraging technology from industry leaders

Google Cloud  vmware

Azure  Red Hat

## APPLICATION MIGRATION SERVICES

### Technology Migration

- Lift-and-Shift Migration to Cloud Platforms
- Legacy Application Migration to Modern Frameworks
- Data Migration

### Infrastructure Migration

- On-premises to Cloud Infrastructure Migration
- Legacy Hardware to Virtual Machine Migration
- Database Migration
- Data Center Consolidation and Migration

## APPLICATION RATIONALIZATION SERVICES

### Application Portfolio Assessment

- Identifying Redundant and Obsolete Applications
- Prioritizing Applications for Rationalization
- TCO (Total Cost of Ownership) Analysis

### Application Retirement

- Legacy Application Decommissioning
- Archiving and Data Purging Strategies
- Data Migration from Retired Applications

### Application Consolidation

- Merging Redundant Applications into a Unified System
- Streamlining Business Processes and Workflows
- Database Consolidation and Rationalization

## APPLICATION RE-ENGINEERING SERVICES

### Code Re-construction

- Legacy Code Refactoring
- Technology Stack Upgrade
- Modularization
- Technology Stack Upgrade
- Architecture Restructuring
- Code Documentation

### User Experience (UX) Enhancement

- Modernizing User Interfaces (UI)
- Responsive Design Implementation
- Accessibility Compliance
- Usability Services (Workflow)

### Process Optimization

- Workflow Automation
- Process Re-engineering
- Integration Services

### Data Re-structuring

- Data Migration and Transformation
- Database Normalization
- Data Cleansing and Deduplication
- Implementation of Data Governance Frameworks

# OUR **APPLICATION MODERNIZATION PROCESS**

## 1 ASSESS

- Rapid Discovery
- Business Case Development
- Stakeholder Engagement
- Migration Readiness Assessment
- TCO Report
- Risk Analysis

## 2 MOBILIZE

**DEFINE STRATEGY**
- Migration Plan
- Discovery & Planning
- Business Case/Migration Evaluation

**TEAM FORMATION**

**INFRASTRUCTURE SET-UP**
- Operating Model
- Landing Zone
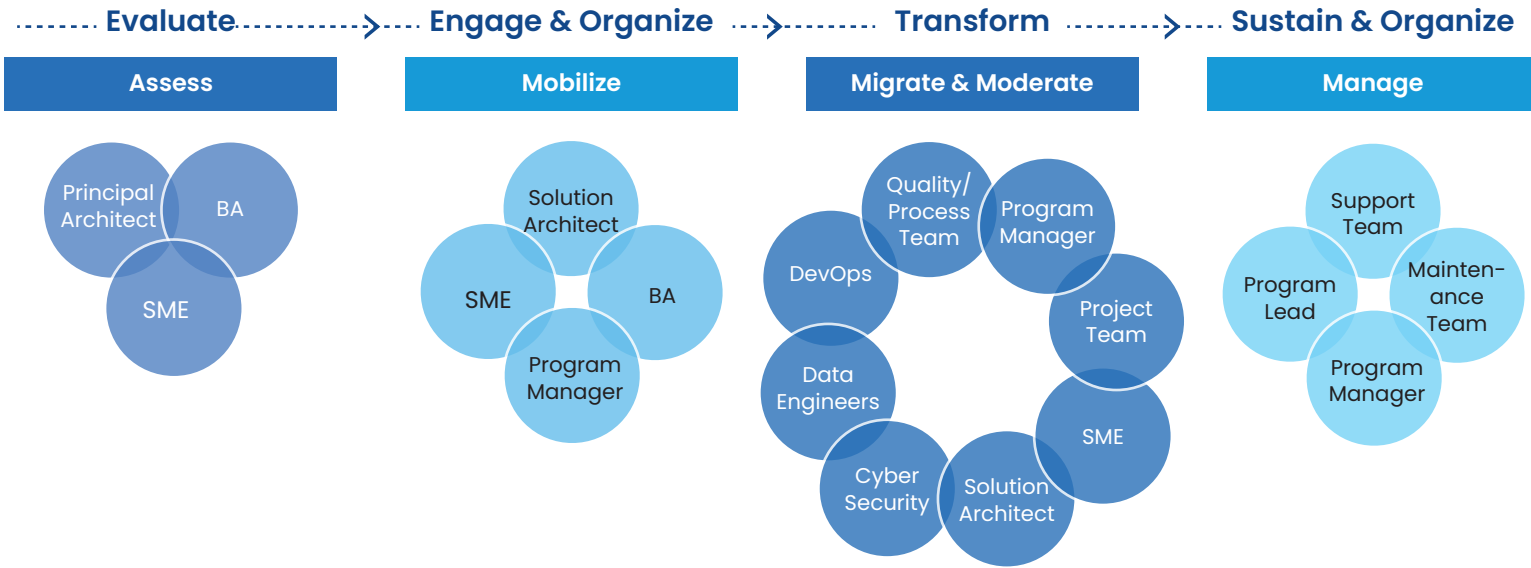- Security & Compliance

**TOOL SELECTION**

## 4 MANAGE

- Application Lifecycle Management
- IT Governance
- Monitoring and Optimization
- Feedback Loop
- Security and Compliance
- Enhancements
- Documentation, Training, and Support

## 3 MIGRATE & MODERNIZE

- Environment Setup
- Migration
- Refactoring
- DevSecOps
- Containerize
- Microservices
- Continuous Integration and Deployment (CI/CD)
- Cloud
- Testing
- Go-Live

| **16+ yrs of Industrial Experience** | **150+ Global Clients** | **INDIA | USA | GERMANY | JAPAN**

# OUR **MODERNIZATION MAVERICKS**

**Evaluate** ·······> **Engage & Organize** ·····> **Transform** ········> **Sustain & Organize**

| Assess | Mobilize | Migrate & Moderate | Manage |
|---|---|---|---|

**Assess**
- Principal Architect
- BA
- SME

**Mobilize**
- Solution Architect
- SME
- BA
- Program Manager

**Migrate & Moderate**
- Quality/ Process Team
- Program Manager
- DevOps
- Project Team
- Data Engineers
- SME
- Cyber Security
- Solution Architect

**Manage**
- Support Team
- Maintenance Team
- Program Lead
- Program Manager

# OUR **SUCCESS STORIES**

## MIGRATING LEGACY ON-PREMISE APPLICATIONS TO A UNIFIED CLOUD-BASED SOLUTION

A premier provider of building automation and safety & productivity solutions overcame data silos and management complexities by migrating legacy applications to a unified cloud solution (MS Azure) with Utthunga's assistance.

### THE **IMPACT**

- **Reduced licensing costs by 70%** through single-group licensing or consolidated agreements
- **Increased data sharing efficiency by 60%** with seamless integration into a unified cloud application
- **Improved scalability by 70%,** facilitating effective adaptation to evolving business needs
- **Lowered maintenance overheads by 50%** with centralized cloud-based infrastructure
- **Strengthened security by 40%** through Azure Services integration and robust API Gateway implementation
- **Enhanced operational efficiency by 55%** with Microservice-based architecture and Azure Monitor deployment for proactive issue resolution
- **Maintained seamless continuity of critical business logic** throughout the migration process

# REVOLUTIONIZING INDUSTRIAL CONNECTIVITY WITH NEXTGEN MOBILITY FRAMEWORK

By implementing a NextGen Mobility Framework, we facilitated direct mobile configuration, fortified security measures, and enabled high-speed data access for a leading industrial automation solutions provider.

## THE **IMPACT**

- **Achieved 40% reduction i**n development efforts with a single code base for seamless transition
- **Enhanced operational efficiency by 50%** through effective integration of Wi-Fi, NFC, and Bluetooth
- **Improved issue resolution time by 60%** with diagnostic tools and guided troubleshooting
- **Streamlined maintenance, reducing downtime by 30%**
- Enabled proactive device management, **reducing system failures by 45%**

## Think Application Modernization, Think Utthunga!

Contact Us >