



Innovative Software Solutions

IT Outsourcing & Enterprise Digital Transformation

Nomado Innovations delivers cutting-edge technology services across Energy, Oil and Gas, Insurance, Healthcare, FinTech, Capital Markets, Agri-Tech, and beyond — bridging the gap between complex business challenges and powerful digital solutions.

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Who We Are

Nomado Innovations at a Glance

Our Mission

At Nomado Innovations, we exist at the intersection of technology and transformation. We are a full-cycle IT outsourcing and digital solutions firm empowering enterprises to reimagine their operations, unlock new value streams, and compete with confidence in an increasingly data-driven world.

From custom software engineering to intelligent automation and digital twin deployments, we bring deep domain expertise and a relentless drive for innovation to every engagement.

5 reasons enterprise leaders choose us



Domain-First Engineering We understand your industry regulations, data models, and business KPIs before architecture begins. Our engineers embed themselves in your domain — whether that's healthcare, finance, or supply chain — so every technical decision is grounded in real business context.



Measurable ROI Focus Every engagement begins with clear business outcome definitions. We track progress against delivery speed, defect rates, and cost per feature, reporting transparently throughout the project so you always know the value realized for your investment.



Full-Stack Expertise From architecture to deployment, our engineers master the complete technology stack across modern frameworks.



Agile & Scalable Teams Flexible engagement models allow you to scale capacity up or down without compromising velocity or quality.



Reliable delivery Benefit from consistent project execution, ongoing maintenance, and long-term technical partnership.

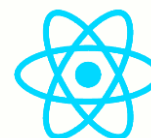
Our Core Technology Stack

We deliver world-class solutions built on a rigorously curated, enterprise-proven technology stack from cloud-native infrastructure to intelligent frontends and data platforms.

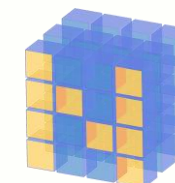
Programming Languages



Frontend frameworks



NEXT.js



AI/ML (Artificial Intelligence/Machine Learning)

Backend Web/API frameworks



Databases



Cloud infrastructure



Middleware Message Brokers & Event Streaming

Orchestration

Our technology choices are always driven by what best serves your business goals — cloud-agnostic, framework-flexible, and committed to open standards.

Digital Transformation for Insurance

Insurance carriers and managing general agents (MGAs) face mounting pressure to modernize legacy platforms, accelerate claims processing, and deliver personalized policyholder experiences. Nomado Innovations designs and builds **end-to-end insurance technology platforms** that put data at the center of every decision.



Policy Administration Systems

Modern, API-first PAS platforms replacing legacy mainframes — supporting complex product configurations, multi-channel distribution, and real-time rating engines with full audit trails.



Customer 360 & CRM

Unified data platforms that aggregate policyholder interactions across channels, enabling proactive retention, cross-sell recommendations, and personalized communication at scale.



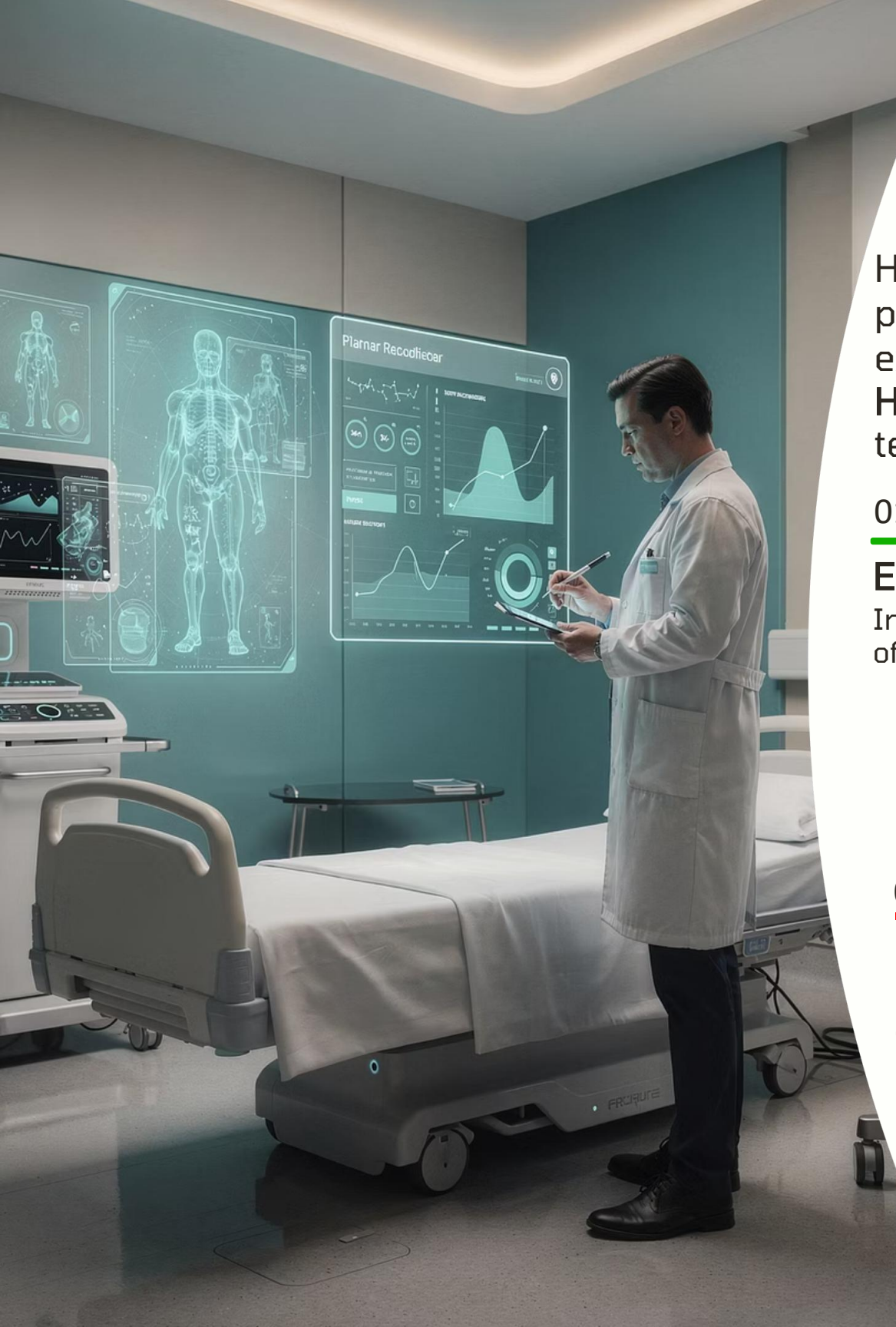
Claims Intelligence

ML-powered claims triage, fraud detection models, and automated adjudication workflows that reduce loss adjustment expenses and accelerate resolution cycles from weeks to days.



Underwriting Automation

Rules engines and predictive scoring models that augment underwriter judgment, reduce manual review queues, and improve risk selection accuracy across commercial and personal lines.



Healthcare & Medical Technology Solutions

Smarter Care Through Smarter Systems

Healthcare institutions worldwide are navigating a complex transformation: rising patient expectations, interoperability mandates, value-based care models, and an explosion of clinical data. Nomado Innovations builds **HIPAA-compliant, HL7/FHIR-ready digital health platforms** that help providers, payers, and med-tech companies deliver better outcomes at lower cost.

01

Electronic Health Records (EHR) Integration

Interoperable EHR connectors and custom EMR modules that surface the right clinical data at the point of care, reducing documentation burden and improving care coordination across care settings.

02

Clinical Decision Support Systems

Evidence-based AI models embedded in clinical workflows, providing real-time diagnostic assistance, drug interaction alerts, and personalized treatment pathway recommendations.

03

Patient Engagement Platforms

Mobile-first portals and telehealth integrations that improve patient activation, medication adherence, and care plan compliance — driving measurable improvements in HEDIS and CAHPS metrics.

04

Population Health Analytics

Risk stratification engines and claims-based analytics dashboards that enable proactive outreach and resource allocation across high-risk patient cohorts.

Digital Twins for the Energy Sector

The energy sector stands at the frontier of digital disruption. Nomado Innovations enables utilities, renewable energy producers, and grid operators to deploy **Digital Twin technology** — creating precise virtual replicas of physical assets that enable predictive maintenance, operational optimization, and real-time scenario modeling.

Key Capabilities

Asset Digital Twins

Real-time mirroring of turbines, transformers, substations, and pipelines with live sensor data feeds.

Predictive Maintenance

AI-driven anomaly detection reduces unplanned downtime by up to 40%, extending asset lifespan significantly.

Grid Simulation

Model load distribution, renewable integration scenarios, and outage impacts before they affect live systems.

SCADA Integration

Seamless integration with existing SCADA, IoT sensors, and operational technology infrastructure.



Recruitment, HR Technology & the Future of Work



Reimagining the Employee Lifecycle

The way organizations attract, develop, and retain talent is being fundamentally redefined by AI, distributed work models, and evolving employee expectations. Nomado Innovations builds **intelligent HR technology platforms** that digitize and augment every stage of the talent lifecycle — from candidate sourcing to alumni engagement — while supporting progressive organizational models including teal and holacratic structures.



AI-Powered Talent Acquisition

Semantic resume parsing, skills-based matching algorithms, and conversational AI screening tools that reduce time-to-hire by up to 60% while improving diversity outcomes and reducing unconscious bias in selection processes.



People Analytics & Workforce Intelligence

Predictive attrition models, skills gap analysis dashboards, and organizational network analysis tools that give HR leaders a data-driven foundation for workforce planning, succession, and DEI initiatives.



Teal Organization Enablement

Digital platforms purpose-built for self-managing organizations — supporting role-based access, distributed decision-making workflows, OKR tracking, and transparent peer recognition systems that reinforce teal principles.

FinTech & Capital Markets Innovation

Engineering the Financial Future

Financial services firms operating in FinTech and Capital Markets face a dual imperative: accelerate innovation to compete with digital-native challengers while meeting the exacting compliance, latency, and reliability standards of regulated markets. Nomado Innovations delivers **high-performance financial technology platforms** engineered for speed, scale, and regulatory rigor.

Trading & Execution Platforms

Low-latency order management systems (OMS), algorithmic trading engines, and FIX protocol integrations for equities, derivatives, and digital asset markets.

Risk & Compliance Engines

Real-time position risk, VaR computation, AML transaction monitoring, and KYC orchestration platforms meeting MiFID II, EMIR, Dodd-Frank, and Basel III requirements.

Payment Infrastructure

ISO 20022-compliant payment rails, open banking API layers, embedded finance SDKs, and digital wallet platforms enabling seamless money movement at scale.

Portfolio Analytics

Factor-based attribution, performance benchmarking, and scenario stress-testing dashboards serving institutional asset managers and wealth management platforms.



FinTech & Capital Markets: Engineering Financial Intelligence



Trading Systems, Risk Engines & Digital Banking

Nomado Innovations builds high-performance FinTech platforms including algorithmic trading systems, real-time risk analytics engines, digital banking portals, payment orchestration layers, and regulatory reporting tools.

We architect event-driven microservices in C#/.NET and Node.js/NestJS, optimized for ultra-low latency, data integrity, and compliance with **SOX, MiFID II, and Basel III frameworks**.

- Algorithmic and high-frequency trading infrastructure
- AML / KYC automation and identity verification pipelines
- Real-time portfolio analytics and risk dashboards
- Open Banking APIs and PSD2 compliance layers
- Core banking modernization and payment gateway integration

Tech Stack Highlights

- C# / .NET for high-throughput transaction processing
- Node.js / NestJS for real-time event streaming
- MS SQL + PostgreSQL for ACID-compliant financial data
- React.js / Angular for compliance dashboards
- Kafka and RabbitMQ for event-driven architecture

Energy & Utilities: Powering the Digital Grid

Digital Twins for Energy Infrastructure

We build cloud-native digital twin platforms that mirror physical assets in real time — enabling predictive maintenance, performance optimization, and operational risk reduction.

Our solutions integrate IoT sensor feeds, SCADA interfaces, and ML-driven analytics, **delivering actionable intelligence** to grid operators, energy traders, and asset managers.

Built on **.NET / Python / PostgreSQL** with scalable event-driven architectures designed for high-frequency telemetry and continuous uptime requirements.

Capabilities

- Real-time asset monitoring and digital twin synchronization
- Predictive maintenance models using time-series ML
- SCADA and IoT protocol integration (MQTT, OPC-UA)
- Regulatory compliance reporting automation
- Energy consumption optimization dashboards
- Grid stability and demand-response analytics



AgriTech: Intelligence from Soil to Supply Chain



Precision Agriculture & Farm Management Platforms

We engineer end-to-end AgriTech solutions that capture field telemetry, satellite and drone imagery, and weather data — transforming raw inputs into prescriptive actions for farmers, cooperatives, and agribusiness enterprises.

Our platforms automate irrigation scheduling, pest risk forecasting, harvest logistics, and commodity supply chain traceability. Built on **Python/Django, React.js, and PostgreSQL** with geospatial data extensions.

Solution Capabilities

- Yield optimization AI using satellite and sensor fusion
- IoT sensor integration (soil moisture, weather stations, drones)
- Supply chain traceability and farm-to-fork visibility
- Carbon footprint tracking and ESG reporting
- Automated irrigation and pest risk models
- Commodity market analytics and pricing intelligence

AgriTech: Precision Agriculture & Smart Farming

Agriculture is undergoing a data-driven revolution. From field-level sensor networks to satellite imagery analytics, modern agribusinesses require digital platforms that translate raw data into actionable agronomic insights. Nomado Innovations engineers **precision agriculture solutions** that optimize yield, resource efficiency, and supply chain transparency for farms, cooperatives, and agri-enterprises of all scales.

IoT Field Monitoring

Real-time soil moisture, temperature, humidity, and nutrient sensors integrated into unified dashboards, enabling data-driven irrigation and fertilization decisions that reduce input costs by 20–35%.

Drone & Satellite Analytics

Automated aerial and multispectral imagery processing pipelines that detect crop stress, pest infestations, and yield variability across large-scale agricultural operations with sub-field precision.

Yield Prediction Models

Machine learning models trained on historical yield data, weather patterns, and agronomic variables provide season-ahead production forecasts supporting procurement and logistics planning.

Supply Chain Traceability

Blockchain-anchored traceability platforms that document field-to-fork provenance, supporting ESG reporting, regulatory compliance, and premium market access certification programs.

Computer Vision Solutions for Modern Retail

Brick-and-mortar and omnichannel retailers are deploying **AI-powered computer vision systems** to transform store operations, reduce shrinkage, optimize merchandising, and elevate customer experience. Nomado Innovations builds and deploys production-grade computer vision pipelines that integrate directly with existing POS, ERP, and loyalty infrastructure.



Shelf Intelligence & Planogram Compliance

Real-time SKU detection, out-of-stock alerts, and planogram deviation monitoring ensure on-shelf availability and promotional execution accuracy across every aisle and store location simultaneously.



Customer Flow & Behavior Analytics

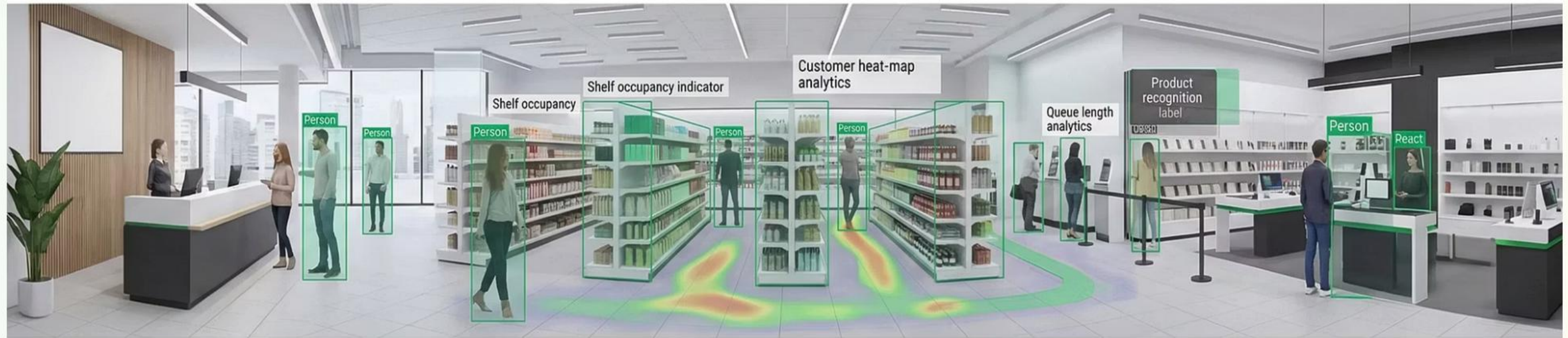
Footfall heatmaps, dwell-time analysis, and conversion zone modeling give merchandising and operations teams the data needed to optimize store layouts, staff deployment, and promotional placement.



Loss Prevention & Security

ML-based anomaly detection identifies suspicious behavior patterns, self-checkout fraud, and organized retail crime activities in real time — reducing shrinkage while minimizing false positives that impact legitimate shoppers.

Retail & Computer Vision: Seeing the Store Differently



AI-Powered Retail Intelligence

We deploy real-time computer vision systems for customer behavior analytics, loss prevention, planogram compliance monitoring, smart checkout automation, and footfall analysis.

Our CV pipelines combine **YOLO-based object detection**, pose estimation, and deep learning classifiers deployed as edge-optimized microservices — enabling sub-second inference at scale across distributed store networks.

- Loss prevention and shrinkage detection
- Smart shelf analytics and out-of-stock alerts
- Queue intelligence and checkout optimization
- Customer heatmap and dwell-time analytics
- Planogram compliance verification

Tech Stack

- Python, OpenCV, TensorFlow, PyTorch
- Node.js API layer for edge-to-cloud communication
- React.js dashboards for store operations teams
- MongoDB for unstructured event stream storage
- NVIDIA CUDA / Edge GPU deployment

AI, Data Engineering & Decision Intelligence

Across every industry vertical, the ability to **extract actionable intelligence from data** at speed is the defining competitive advantage of the decade. Nomado Innovations operates a dedicated AI & Data Engineering practice that designs, builds, and operationalizes the full data value chain — from ingestion and governance to machine learning model deployment and executive decision support.

Data Platform Engineering

Cloud-native data lake and lakehouse architectures on Azure, AWS, or GCP. Real-time streaming pipelines using Apache Kafka and Spark. Data mesh implementations supporting domain-oriented data ownership and self-serve analytics.

Machine Learning & MLOps

End-to-end ML lifecycle management — from feature engineering and model training to deployment, monitoring, and retraining. Expertise in classification, regression, NLP, computer vision, and large language model (LLM) fine-tuning.

Decision Intelligence Systems

Prescriptive analytics platforms that combine predictive models, optimization engines, and business rules to surface the best next action — in supply chain, pricing, credit risk, clinical care, and beyond.

BI & Executive Dashboards

Self-service analytics portals, real-time operational dashboards, and C-suite performance command centers built on Power BI, Tableau, or custom React/Angular visualization frameworks tailored to each executive's decision context.

Our IT Outsourcing Engagement Models

Flexible Partnerships Built Around Your Needs

Nomado Innovations offers a spectrum of engagement models designed to fit every enterprise context — whether you need to rapidly scale a delivery team, transfer entire IT functions, or embed specialized expertise into a strategic product initiative. Every model is underpinned by our quality management framework, transparent reporting, and dedicated client success management.



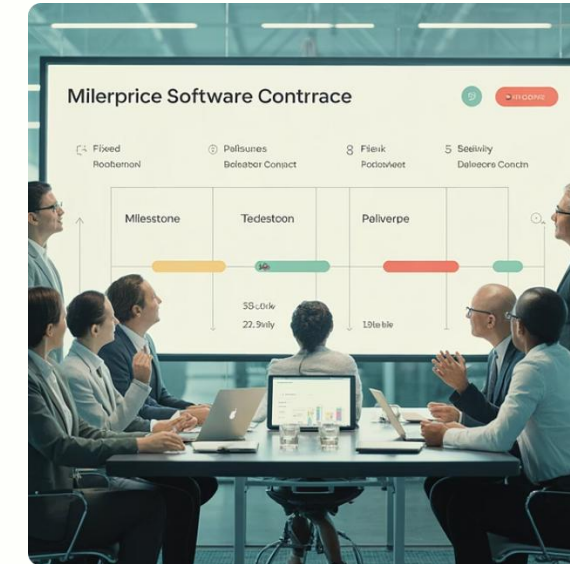
Dedicated Development Teams

A fully managed, dedicated pod of engineers, architects, QA specialists, and Scrum Masters who integrate seamlessly into your product organization. You retain full strategic control while we handle talent acquisition, onboarding, HR, and infrastructure. Ideal for long-horizon product development, platform modernization, and continuous delivery programs.



Staff Augmentation

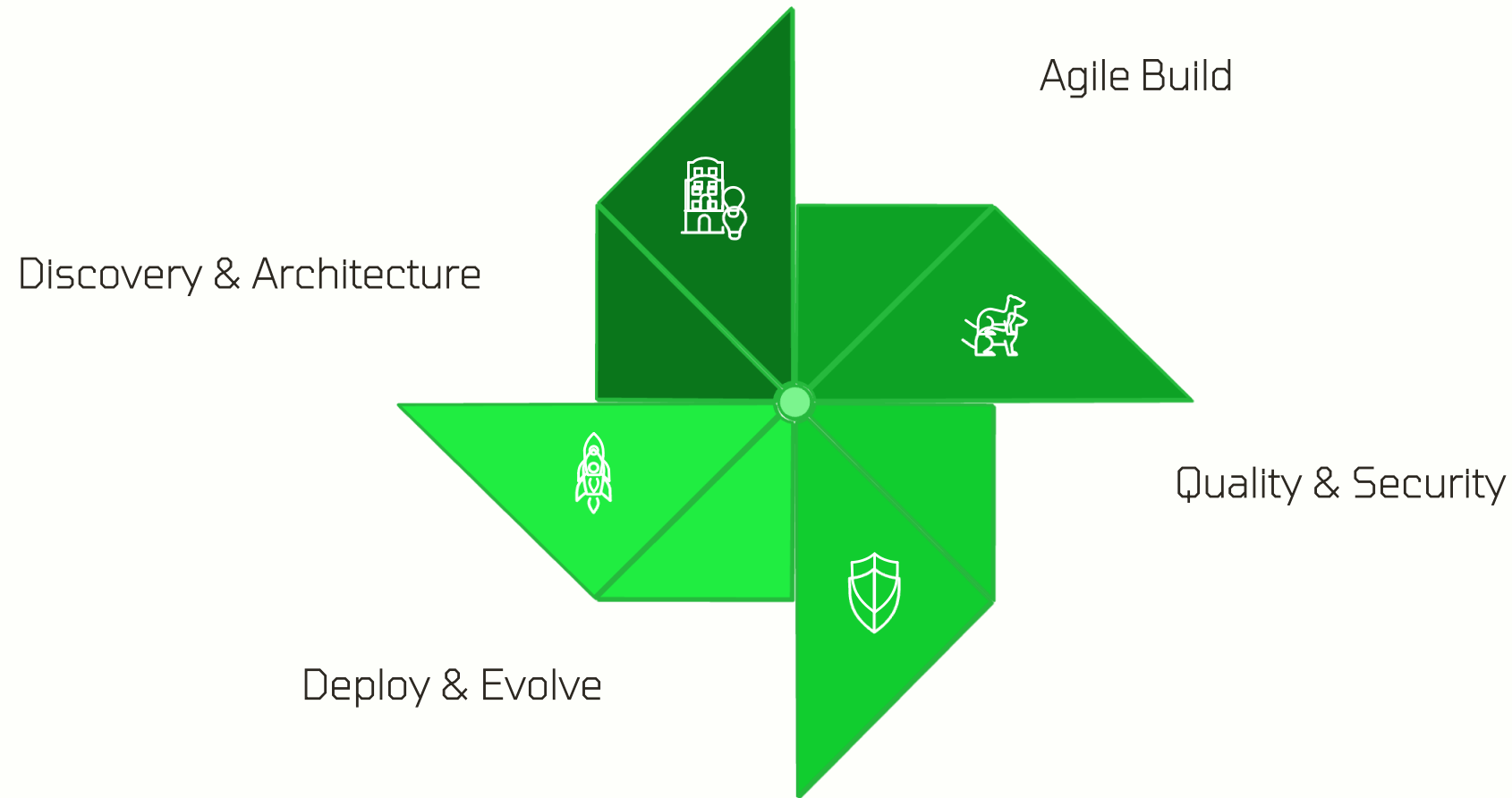
Rapidly extend your in-house engineering capacity with pre-vetted senior specialists in .NET, React, Angular, Python, DevOps, data engineering, and QA automation. Our augmentation model provides maximum flexibility — scale individual roles or entire functional teams on demand, with zero long-term hiring overhead or HR liability.



Project-Based Delivery

For well-scoped digital transformation initiatives, greenfield product launches, or platform migrations with defined requirements, our fixed-scope project model delivers on-time, on-budget execution with milestone-based governance, clear deliverable accountability, and executive-level visibility throughout the engagement lifecycle.

Our Solution Delivery Methodology



Every Nomado Innovations engagement follows our proven four-phase delivery methodology — combining rigorous upfront discovery with agile, iterative execution and continuous post-launch evolution. Our approach eliminates scope drift, accelerates time-to-value, and ensures every solution is engineered for long-term maintainability, security, and scalability from day one.

Quality Standards

- ISO 27001-aligned security practices across all engagements
- Automated test coverage targets of 80%+ on all production code
- Code review gates, static analysis, and SAST/DAST scanning in every CI/CD pipeline
- SLA-backed delivery commitments with weekly executive reporting

Collaboration & Transparency

- Dedicated client success manager on every engagement from kickoff to hypercare
- Real-time project dashboards with sprint velocity, backlog health, and risk tracking
- Bi-weekly stakeholder demos and monthly executive business reviews
- Full IP transfer and knowledge handover as standard — no vendor lock-in



Why Nomado Innovations

The Competitive Advantage We Deliver

10+

Industry Verticals

Deep domain experience spanning Energy, Insurance, Healthcare, FinTech, Agri-Tech, Retail, HR Tech, and Capital Markets.

50+

Expert Engineers

A curated pool of senior and lead-level engineers, architects, and data scientists across our full technology stack.

98%

Client Retention

Our partnership-first culture and relentless focus on outcomes drives near-perfect client retention across multi-year engagements.

5x

Faster Time-to-Market

Proven delivery acceleration versus in-house hiring cycles — from kickoff to production in weeks, not quarters.

❑ Nomado Innovations is not just a technology vendor — we are a strategic digital transformation partner committed to your long-term success. Every engagement is built on trust, transparency, and a shared definition of winning.



Let's Build Your Digital Future Together

Whether you are embarking on a first digital transformation initiative, scaling an existing platform, or looking to inject specialized engineering talent into a critical program — Nomado Innovations is ready to accelerate your journey. Reach out to our team today to discuss how we can deliver measurable value to your organization.

Get in Touch

Email: services@inomado.com

Website: inomado.com

Our business development team responds to all enterprise inquiries within one business day. We offer complimentary discovery calls and solution scoping workshops for qualified enterprise opportunities.

Services We Offer

- IT Outsourcing & Dedicated Teams
- Digital Twin & IoT Platform Development
- AI, ML & Data Engineering
- FinTech & Capital Markets Engineering
- Healthcare & Insurance Technology
- Computer Vision & Retail Intelligence
- HR Technology & Future of Work Platforms
- Cloud Migration & Modernization



READY TO TRANSFORM



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