

NQRust-BPMN

Enterprise Workflow Automation Platform

BPMN 2.0 Standard, Visual Process Design, Intelligent Automation, Enterprise Integration



WORKFLOW TECHNOLOGY STACK

Process Modeling	BPMN 2.0 + DMN 1.3 + Visual Designer
Execution Engine	Rust + Tokio Async + Memory Safety
Task Management	Human Workflow + Assignment Rules
Integration Layer	REST/SOAP + Message Queues + Connectors
Data Processing	SQL/NoSQL + ETL + Real-time Streams
Monitoring	Process Mining + Real-time Analytics
Security	OAuth2/OIDC + RBAC + Audit Trails
Deployment	Kubernetes + Docker + Cloud-Native

- PROCESS EXAMPLES**
- Loan approval workflows
 - Patient care coordination
 - Supply chain automation
 - Document approval cycles

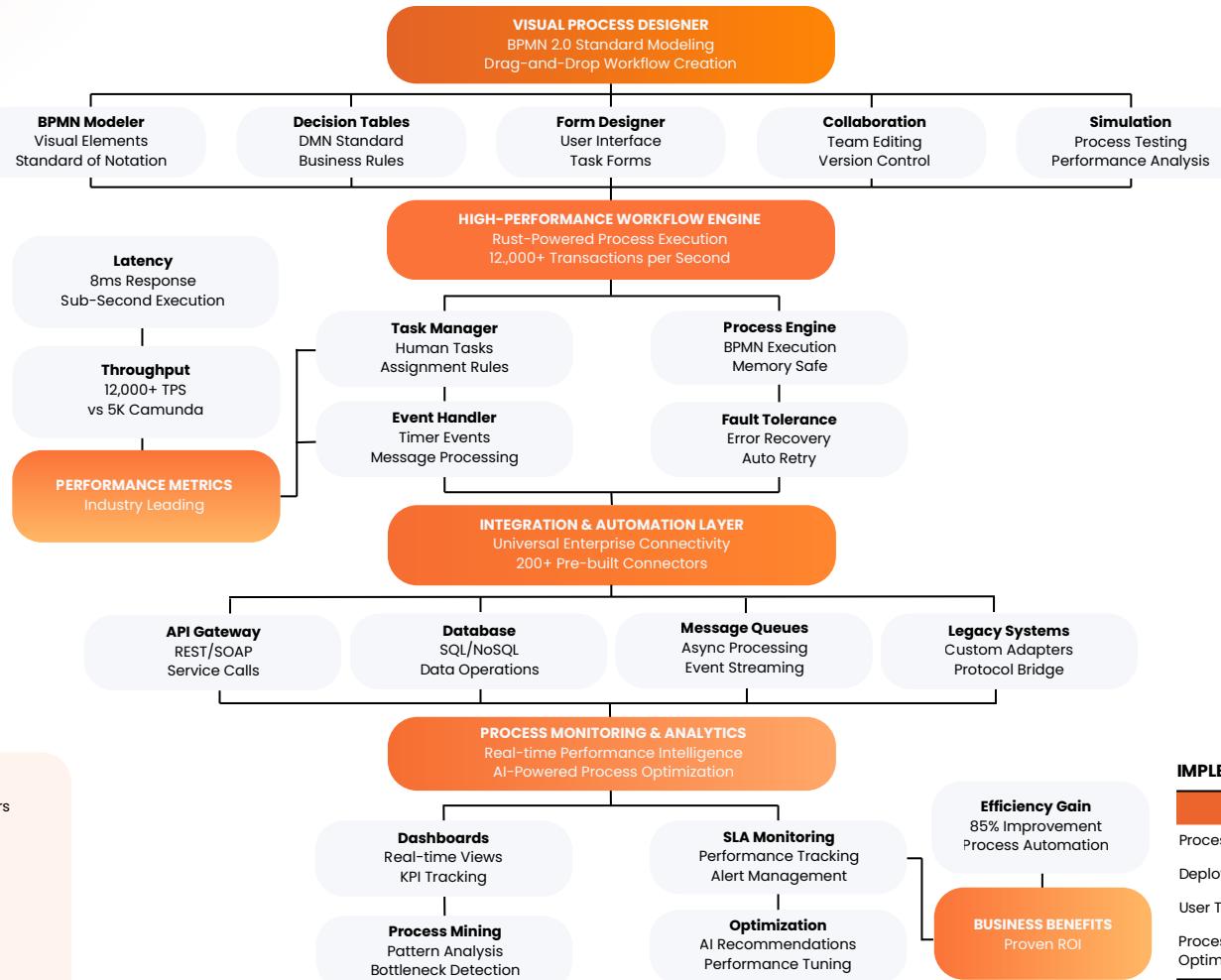
SUCCESS STORIES

Financial Services	Loan processing: 14 days to 4 hours
Healthcare	Patient care: 78% coordination improvement
Manufacturing	Supply chain: \$15M inventory optimization
Government	Permit approval: 95% processing acceleration
Insurance	Claims processing: 87% error reduction
Retail	Order fulfillment: 90% efficiency gain

DEPLOYMENT OPTIONS



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Feature Category	NQRust	Camunda	IBM BPM	Pega	Appian
BPMN 2.0 Compliance	100%	95%	85%	80%	75%
Process Throughput	12,000 TPS	5,000 TPS	2,000 TPS	1,500 TPS	1,000 TPS
Deployment Time	Hours	Days	Months	Months	Weeks
Visual Designer	Advanced	Good	Complex	Proprietary	Limited

Standards Compliance
100% BPMN 2.0 Standard
ISO/IEC 19510:2013 certified

Performance
12,000+ TPS throughput
8ms average latency

Efficiency
85% process improvement

NQRust-BPMN Enterprise Workflow Platform v1.0

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RUST-POWERED ENGINE

- Memory-safe execution
- 12,000+ TPS performance
- Zero buffer overflows
- Auto fault recovery

COMPETITIVE ADVANTAGES

BPMN 2.0 Compliance	100% vs 80-95% competitors
Process Performance	12K TPS vs 1-5K competitors
Deployment Speed	Hours vs weeks/months traditional
Learning Curve	Visual design vs technical complexity
Memory Safe	Rust foundation vs runtime errors
Integration Support	200+ connectors vs limited options
Process Reliability	99.97% uptime vs industry average

IMPLEMENTATION TIMELINE

Metric	Timeline	Business Impact
Process Design	2-8 hours	Visual BPMN modeling
Deployment	Same day	Immediate automation
User Training	1-2 hours	Intuitive interface
Process Optimization	30 days	AI-powered improvements

BPMN 2.0 ELEMENTS

