

Intellias - Cost Optimization

Cost Optimization Offering



intellias

Intellias expertise

01



Engineering Excellence on a Global Scale



IAOP
Leader in the IAOP Global Outsourcing 2022 list

EY
Ernst & Young national top choice for IT professionals

Forbes
#1 IT employer and #2 across industries

3200
in-house experts

25
countries where clients are located

over **20**
years in the industry

14
global locations

130 +
active clients

Strong Software Engineering DNA

Compliance with the highest standards



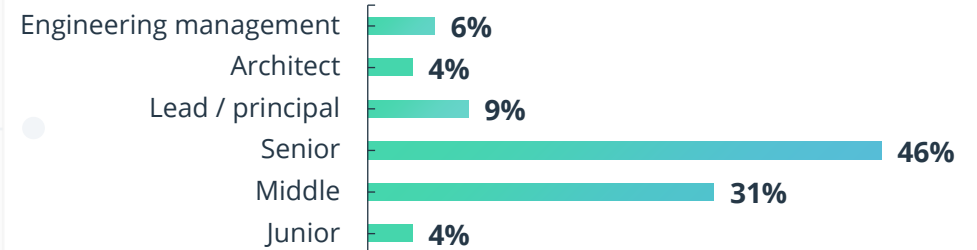
Ecosystem provider partnerships



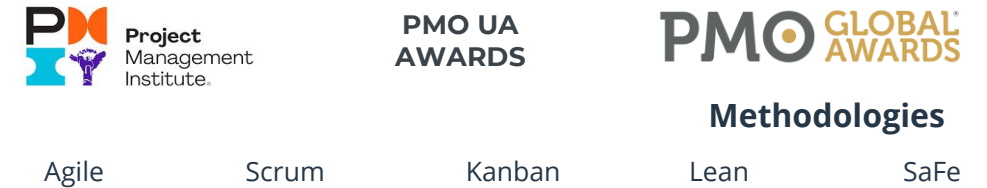
In-house Technology Office & CoE

- Data & Analytics
- Cloud & DevOps
- IoT
- Design & Consulting
- Intelligent Automation
- Cybersecurity

2/3 of our engineers are **senior** level and higher



Solid proprietary **PM and SE process** foundation



Partnerships & Alliances



Trusted by Leading Companies

Best in class service has its rewards:
our first customer is still with us after 20 years.

Industries We Serve:

Mobility

Financial Services & Insurance

Retail & Consumer Goods

Telecom & Media

Healthcare & Life Sciences

Agriculture

Digital & Technology



Cloud Consulting Services



Operational Excellence

Run, manage and monitor production workload to deliver business value and continuously improve on supporting process and events



Security

Protecting information, systems, and assets along from outside world with risk assessment, unplanned failures, and mitigation strategies



Reliability

Auto recover workload from infrastructure, power or system failures with dynamic resource management to meet operational threshold.



Performance Efficiency

Use computing resources efficiently to support on demand changes for delivering workload with maximum performance to meet the SLA

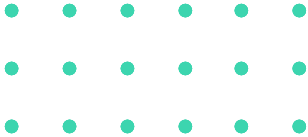


Cost Optimization

Avoiding & eliminate unneeded cost or replace resources with cost-effective resources without impacting the best practices and business need

Cost Optimization Service

02



Cost Optimization Service

Our Cost Optimization service enables businesses to run their cloud-based systems at the lowest price point to deliver the maximum business value. Using the appropriate services, resources, and configurations for your workloads is key to cost savings, and we make possible the best way to achieve it.

NEEDS WE SOLVE

- Build understanding on what are the appropriate resources for your workload to maximize cost savings
- Use the state-of-the-art approaches for designing and operating cloud environment cost-efficiently
- Put in place the best practices for the cloud cost optimization
- Enable Cloud infrastructure observability and tooling for additional cost savings

HOW WE DO IT?

- Our team of experts will conduct a thorough assessment of existing cloud deployment
- Upgrade monitoring to improve the observability of resources
- We prepare optimization proposal based on the cost-benefit analysis
- Configure cloud services to ensure the system stays cost-effective.
- Provide processes, documentation and knowledge sharing

OUTCOMES & DELIVERABLES

- Cloud computing platforms bills reduced
- Improved profitability and observability
- Optimized resource utilization
- Reviewed and improved automation
- Increased flexibility
- Enhanced performance
- Cost monitoring processes established
- Documentation created

Stages and Processes



Assessment

- Analyze your current cloud usage
- Analyze processes and documentation
- Utilize cost optimization tools and services
- Identify cost optimization opportunities
- Prioritize optimization opportunities

14 days



Proposal

- Set cost optimization goals
- Lay out the proposal based on the cost-benefit analysis

~7 days



Implementation

- Upgrade monitoring to improve the observability of resources
- Implement cost optimization strategies
- Monitor and adjust

14-28 days



Outcomes

- Reduced bills for utilization of cloud computing platforms
- Established cost monitoring processes
- Documentation created

Case Studies

03



Cloud Cost Optimization for a Global Tobacco Brand

Reduction of cloud infrastructure spending by 65% via a set of architectural and process changes.

After evaluating the system logic and conducting load tests, we determined cost-heavy infrastructure bottlenecks and suggested performance optimization.

This included:

- Reworking the system architecture by adding horizontal pod autoscaling;
- Changing the approach to providing sets of digital services across company branches from market-generalized to case-specific;
- Re-configuring data transactions to decrease the quantity and price of utilized Azure DB Instances, cutting the daily database spending from €3.5k to €120.
- Conducting short-sizing of web components;
- Initiating unused tenants decommission.

Business outcomes:

The set of code and infrastructure optimizations we implemented allowed the client to reduce the overall infrastructure costs by 65%.

Our Client

A digital transformation unit within a global tobacco brand that develops and deploys multitenant e-commerce platform

Technologies

Azure Cost Management, Terraform, Kubernetes, MySQL, CosmosDB, PHP, Adobe, Magento



Cloud Optimization and DevOps Practices Assessment

Intellias assessed six project areas, among which are Cloud data storage and DevOps practices

- Aiming to scale their solution built on multiple integrated components, and with a profound data storage and orchestration layer our client requested a third-party opinion on the maturity of their business and technical areas :
- We conducted an architecture assessment of our Client's online banking solution, consisting of cloud-native and serverless applications
- Intellias experts defined what data can migrate to simpler cloud storages without compromising on performance and security
- Using Intellias Enterprise DevOps Maturity assessment matrix our experts focused on six areas for improvements: build, deployment and environments, test and validation, release, reporting and metrics, and culture

Business Outcomes:

- We developed the Cloud optimization roadmap that would potentially reduce database service costs, enabling our client to save around **one million US dollars per year**
- Our client obtained a clear vision of actions needed to make sure software deployment activities don't impact the business and customer experience

C A S E S T U D Y



Our Client

A UAE-based digital bank reimagining the banking industry by developing the simplified and approach that provides impeccable partner banking ecosystem

Technologies

Azure Functions, Azure Cosmos DB, Enterprise DevOps Maturity assessment matrix

intellias

Thank you!

Poland

Ul. Zablocie 43B,
Kraków 30-701

info-krakow@intellias.com

Berlin

Pappelallee 78-79,
10437

berlin@intellias.com

Chicago

500 West Madison Street,
60661

info-chicago@intellias.com

