





Big Data Cloud Enterprise Solutions



KYIVSTAR TODAY



Nº1

Telecom and solutions provider in Ukraine

250+

Clients using nontelco services

>1 bln

Investments from 2015, bln. USD 81%

Population have access to 4G connectivity

25,4

Customers, Mln.





We leveraged deep internal expertise to develop B2B offerings





We have a deep expertise in Microsoft products.



Our core team includes- MCSE engineers and MCTs



Skills in integrations of various cloud and on-premises business solutions and products

Our MS Expertise (8 gold, 2 silver)

- Cloud Productivity Gold
- Data Platform Gold
- Small and Midmarket Cloud Solutions Gold
- Windows and Devices Gold
- Application Development Silver
- Cloud Platform Silver
- Collaboration and Content
- Data Analytics Silver
- Datacenter Silver
- Messaging Silver



KYIVSTAR EXPERIENCE





TEAM





EXPERIENCE





MICROSOFT PARTNERSHIP



TECHNOLOGY





SERVICE



- Veon group (more than 500 Data & Al specialists)
- 15+ years experience in BI and BigData analytics
- Our Clients more than 250 famous Ukrainian companies
- 50+ analytical products every month
- Ability to involve the best Microsoft consultants (Global black belt, Field engineer, Premium support)
- Sharing best practices
- Individual approach Future Proof Architecture
- Flexible Data Platform for BI and IoT
- Simple access from any device
- Service approach from PoC to Production
- Support and Development after implementation



EXAMPLES OF COMPLETED PROJECTS





DWH implementation and data migration from Teradata to Oracle Exadata

Technologies: Informatica, Oracle, CityL, SAP BusinessObjects, SPSS

Data volumes: 170 Tb
Users: 1000+
Dashboards/Reports: 500+
Project duration: 2 years



Big Data Management Platform for Eurasia region (Kazakhstan, Uzbekistan, Armenia, Georgia, Kyrgyzstan)

• Technologies: Hadoop, NiFi, Spark, Ignite, PostgreSQL, MongoDB, Hive, CityL, Zeppelin, PowerBi

Data volumes: 270 Tb
Users: 300+
Dashboards/Reports: 70+

• Project duration: 1.5 years



Kyivstar Data Platform migration to Azure Cloud

• Technologies: Azure Synapse, Data Bricks, Data Factory, Event Hub, HD Insight

• Scope: analytical data products and reporting



EXAMPLES OF COMPLETED PROJECTS



Agro Holding: Data platform for logistics:

Technologies: Data Factory, SQL Database, Power BI

• Data volumes: 100 Gb

• Users: 100+

Dashboards/Reports:

• Project duration: 1.5 month



Media Group: P&L automatization:

• Technologies: Power BI

• Dashboards/Reports: 20

• Project duration: 1 month



City administration: Analytical platform for city transport monitoring

• Technologies: Data Factory, SQL Database, Power BI

• Data volumes: 50 Gb

• Users: 20

Dashboards/Reports:

Project duration: 2 months



Commercial Bank: Data platform for app service

Technologies: Azure Synapse, Data Factory, PostGreSQL

• Data volumes: 90 Gb



CLOUD VS ON-PREMISE RATIONAL



CLOD DRIVERS:

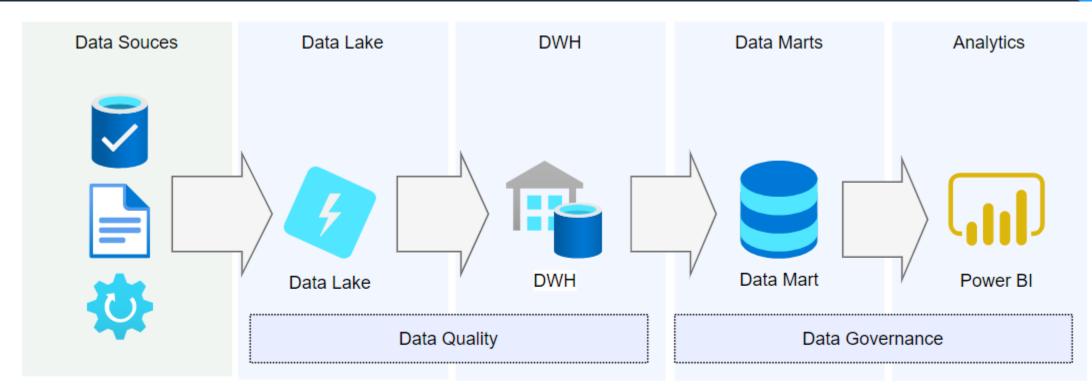
- 1 Scalability and Elasticity
- 2 Support
- 3 Price
- 4 No vendor Lock factor

- Projects quick start, using PaaS services
- On-demand scalability, elasticity
- Basic support by default
- E2E SLA
- Transparent pricing
- Costs saving, pay as you go model
- Capex to Opex model
- Classical SQL technologies and open data architecture
- Time to Market
- Service approach from PoC to Production
- Support and Development after implementation

Manage Service



DATA PLATFORM REFERENCE ARCHITECTURE

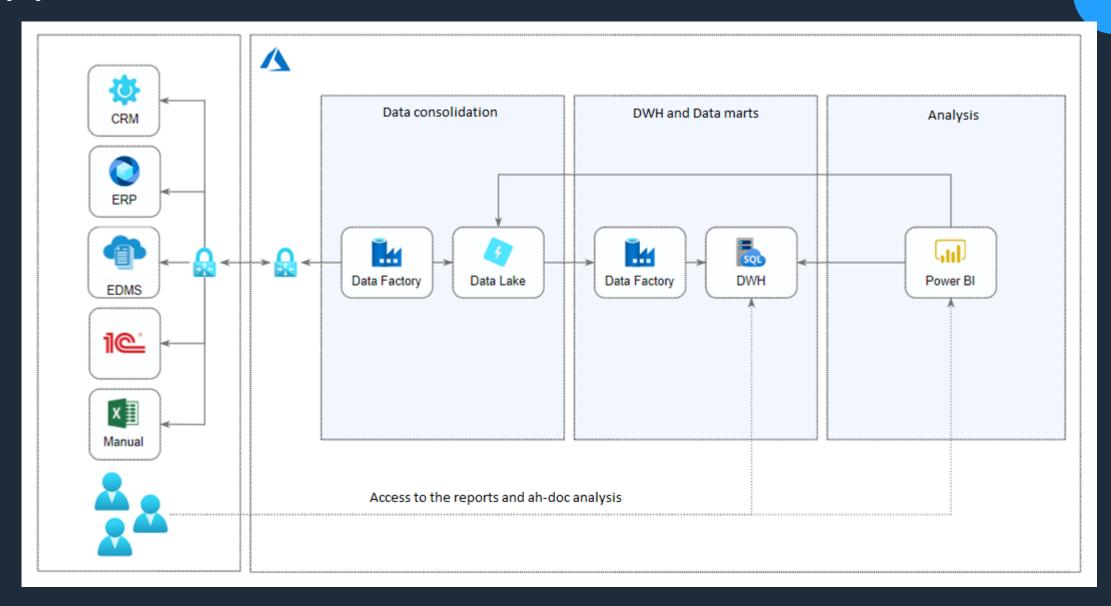


- · Data consolidation
- · Availability checks
- Maintain consistency between sources
- · Transform into unified model
- Keep historical changes
- · Data quality gate

- Data enrichment and aggregation
- Calculate measures and derived attributes
- · Data visualization
- Reporting
- · Ad-hoc analysis

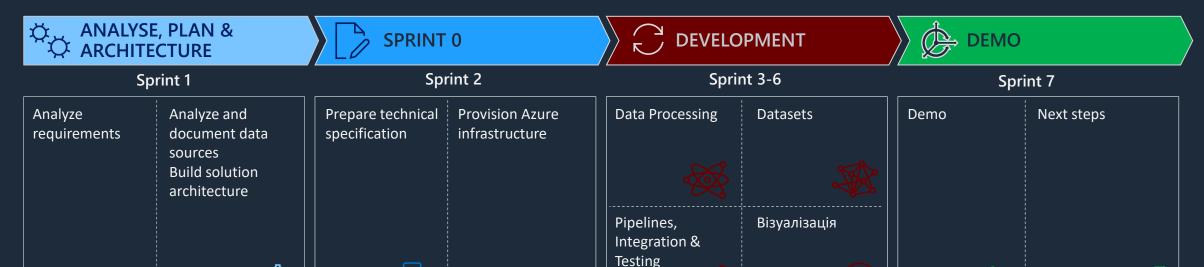


HIGH-LEVEL COMPONENTS









- Documented business cases
- Data sources identified
- Data flows documents, data gap analysis completed
- Defined high-level architecture
- MVP scope defined

- Established connectivity to Azure and data sources
- Azure infrastructure provisioned (Network, IaaS, PaaS)
- Technical specification documented
- Implemented pipelines (Batch / Streams) to ingest, transform and enrich data
- Data quality checks implemented
- Developed analytical dashboard/canned report

- Demo conducted and feedbacks gathered
- Documentation and runbooks prepared
- Created and agreed handover plan
- Support and maintenance procedures agreed





Consolidation

- Data sources consolidation (CRM, ERP, Billing i т.д)
- External data enrichment
- Single Data platform for data science, analytics and reporting

Data Quality

- Automated quality control processes
- Data quality alarms
- Change control, versioning and historization

Time to Market

- Automation/acceleration processes for reporting development
- Quick launch of new projects

Growing competencies

- Future Proof Architecture, platform is ready for analytics, data science, IoT,
 Streaming Analytics
- Data Governance and Customer Profile 360

Price

- Development and support cost optimization
- Capex to Opex model



REPORTING AUTOMATION AND DATA VISUALIZATION

Development and automation of Marketing and Management reporting of the Company, analytics and Dashboards



Retail



Finances



Medicine



Transport T



Agro



Governance

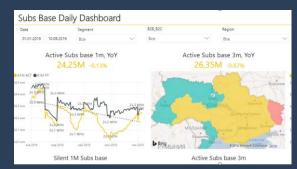


NEED

- Automation of the Company's reporting process
- No manual intervention in the calculation of analytical indicators
- ☐ Relevance of data, transition to Online
- Data quality
- ☐ Presentability of Reports and Dashboards
- ☐ Usage of analytics to make strategic decisions of the Company



- Azure Cloud infrastructure
- PowerBI as Bi tool







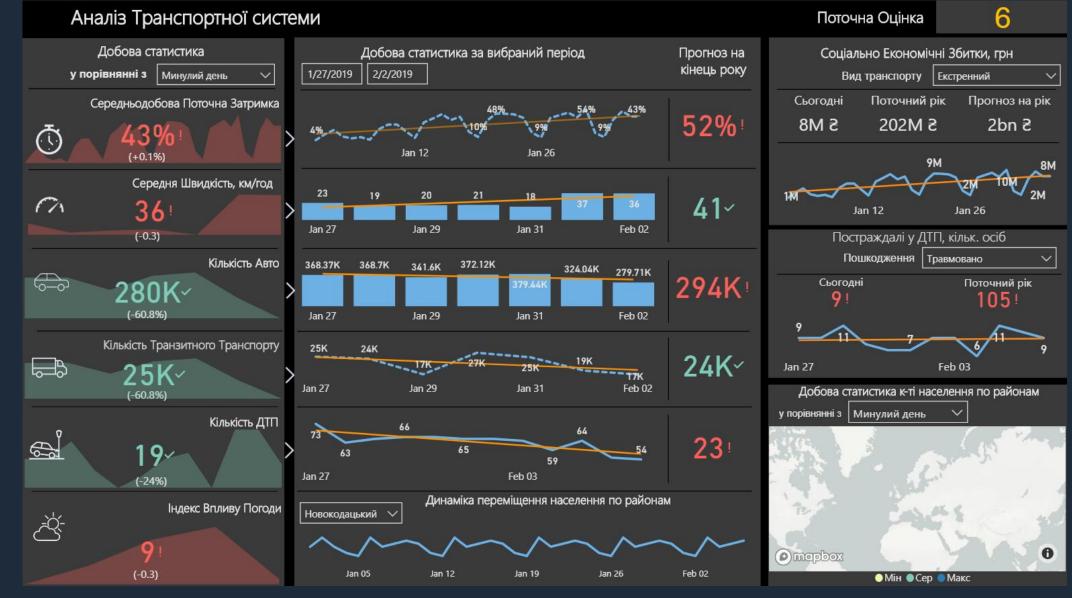
- ✓ Interactive visualization
- ✓ Live analytics in real time
- Compatibility of data from different sources
- ✓ Availability of interactive maps
- ✓ Assistance in decisions
- Availability of cloud service
- ✓ Compatible with all gadgets

CUSTOMER PROFILE 360



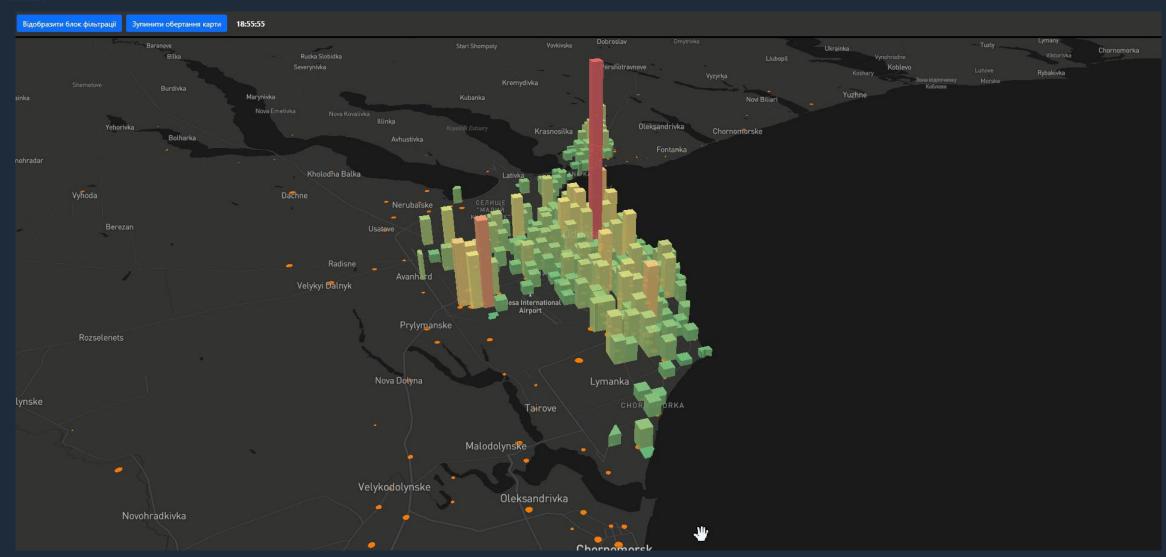


INTELLECTUAL TRANSPORT SYSTEM



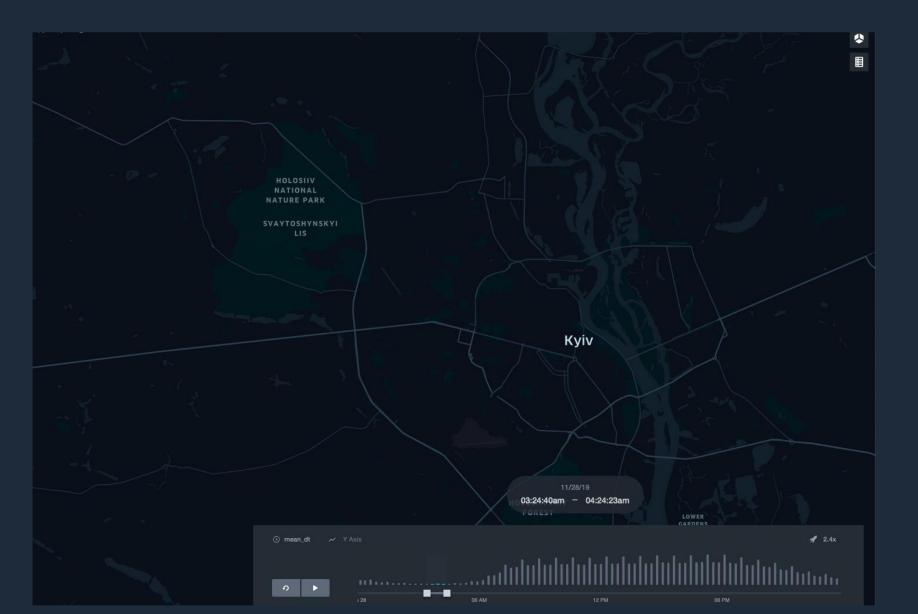


POPULATION MIGRATION





INTELLECTUAL TRANSPORTATION SYSTEM







Thank you