Subject
Recognition of loyalty cards

Technology
Deep learning

KPI Performance
OPEX reduction for cards recognition by 50%

Monetary performance
300K USD saving per year in case of reaching out the planned KPIs
Subject
Crop rotation optimization

Technology
- Machine learning based macro-economics forecasting
- Multi-criteria optimization routines
- Markowitz optimal portfolio theory

KPI Performance
Revenue increase by 26.8% per hectare

Monetary performance
Potential Revenue increase USD 14Mln
Subject
Counterparties financial KPIs prediction

Technology
• Financial modeling using machine learning and feature engineering
• Hybrid financial modeling
• Multi dimensional / fractal search engine

KPI Performance
• Mistakes in financial modeling reduced by 10%
• Speed of financial modeling increased by 60%

Monetary performance
OPEX reduction by 10 Mln USD per year
Subject
Marketing mix optimization

Technology
- Multi-criteria optimization
- Optimal Markowitz portfolio optimization

KPI Performance
- Revenue increase by 10%
- Profit increase by 30%

Monetary performance
Potential revenue increase by USD 400Mln
Subject
Area assessment using satellite images

Technology
Deep learning

KPI Performance
Ability to execute territory audit

Monetary performance
Was not able before
Subject
Cross-sale / Up-sale

Technology
- Client segmentation with machine learning
- Machine learning based macro-economics forecasting
- Recommendation system

KPI Performance
- Sales volume increase by 100% (low base effect)
- Reduction of risks by 20%

Monetary performance
Potential Revenue increase 750K USD
Subject
Dynamic pricing model

Technology
- Machine learning based modeling
- Econometrics
- Multi-criteria optimization

KPI Performance
- Revenue increase by 48%

Monetary performance
Potential Revenue increase by USD 795Mln
Subject
Multi channel fraud detection

Technology
- Big data technologies
- Machine learning for segmentation
- Scenario modeling using advanced data models

KPI Performance
83% of cases in multi channel fraud are detected

Monetary performance
Potential OPEX reduction by 21Mln USD
Subject
Yield trade optimization

Technology
- World trade modeling using graph theory
- Machine learning based macro-economics forecasting
- Multi-criteria optimization routines

KPI Performance
Revenue increase by 20%

Monetary performance
Potential Revenue increase by USD 4Bln
Subject
Flotation process optimization for gold extraction

Technology
- Multi-criteria optimization
- Feature engineering
- Machine-learning based forecasting

KPI Performance
Gold extraction increase by 2-3%

Monetary performance
Potential revenue increase by 120Mln USD
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