

AI - Another approach to avoid finance process optimization?





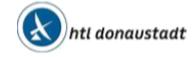
Ing. Mag. (FH) Andreas Schmelzer





Past

- Technical education (IT & Telecommunication)
- Part-time studies (Executive & business management)
- +10 years management positions in finance/controlling
- +4 years RPA CoE Lead & Head of Digital Competence Center / Hyperautomation
- +3 years Founder & CEO Process Automation Consulting/Services











WIEN ENERGIE



Present

- Head of Digital Transformation & Services
- FH Lecturer Traditional & Robotics Process Automation

Personal insights

- My rolemodels are Mario & Florian, 9 years old
- Sport (Triathlon, kayaking, climbing, open water swimming,...)

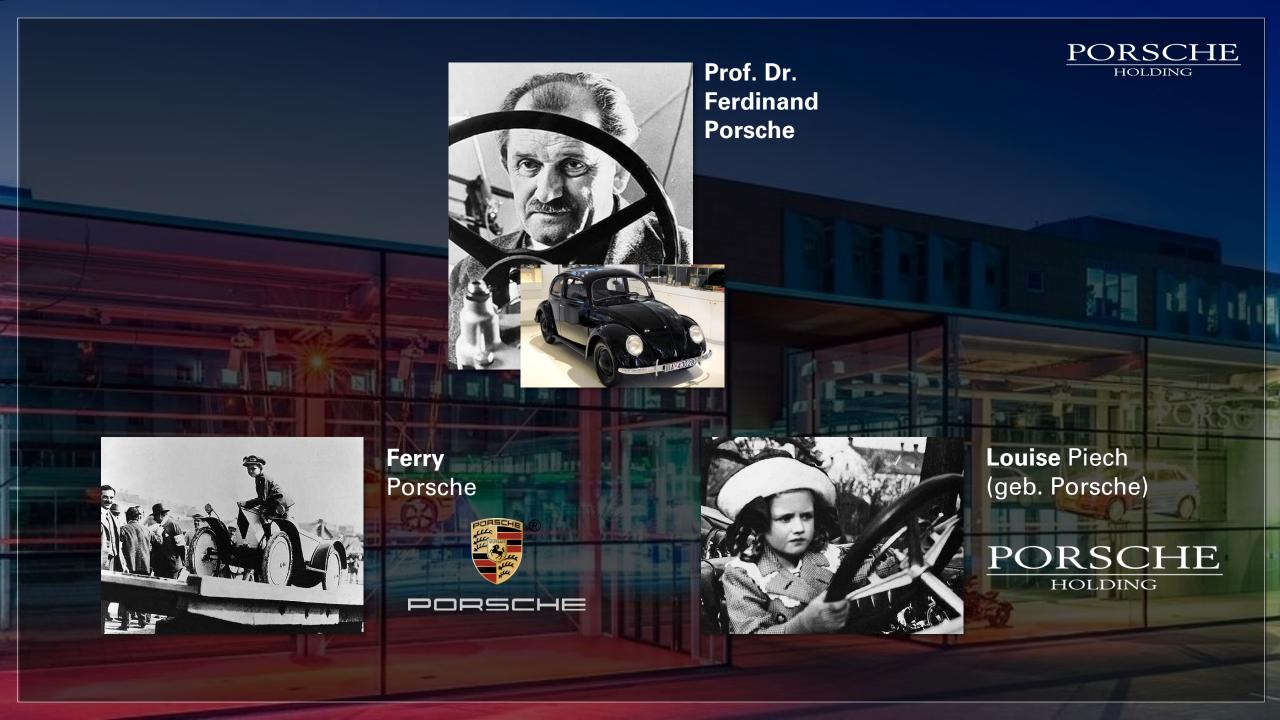


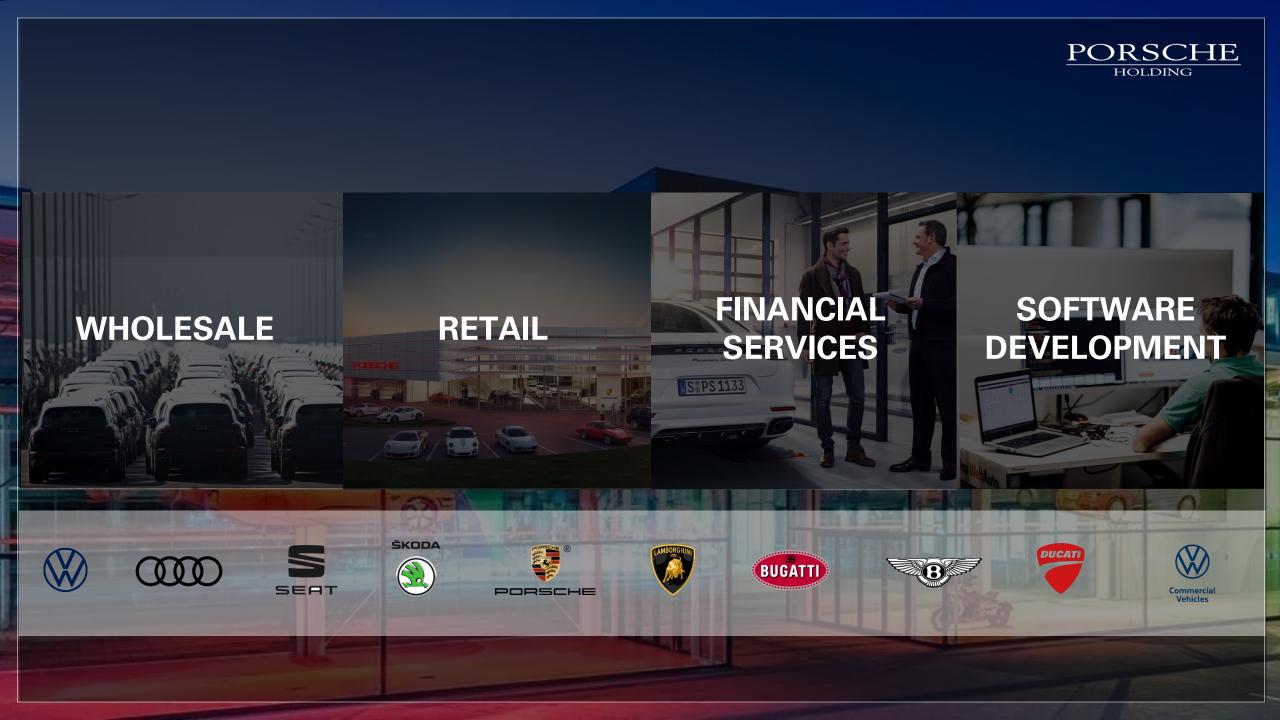






PORSCHE
Eine Familie
Zwei Unternehmen





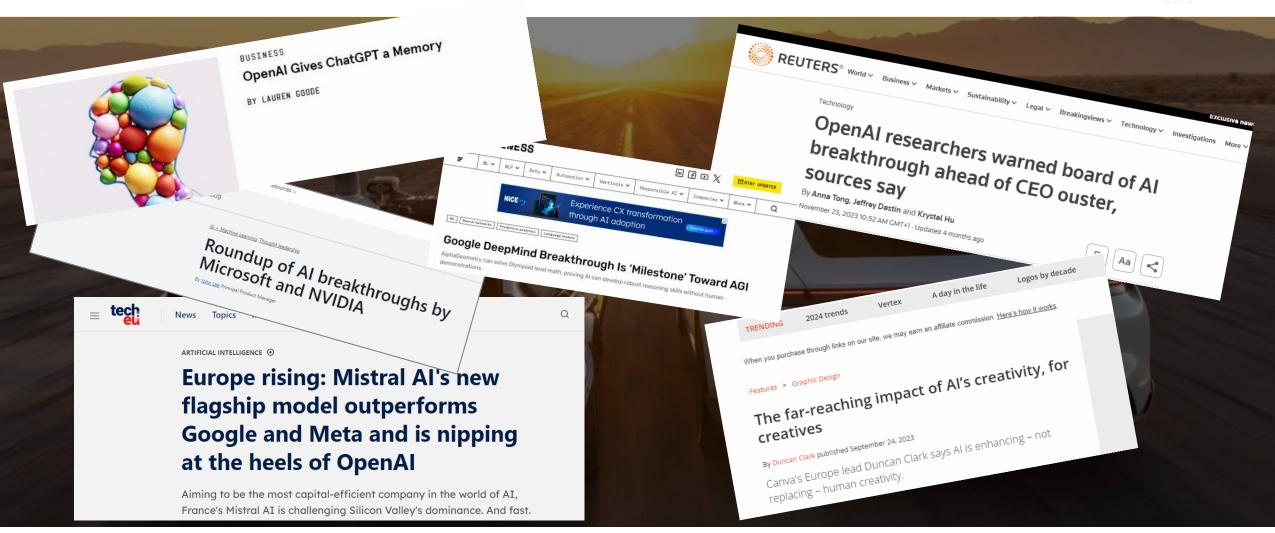




Al will save the world and all are unemployed

Expectation and sensation









Al will save the world and all are unemployed





AI Will Transform One of Corporate Tech's Biggest Cost Areas—Actual Savings TBD

Companies spend a lot on IT contractors that set up and integrate new software. AI will make the job more efficient, but whether it will cost

- Gartner (2017) estimates that 85% of big data projects fail.
- About 80% never reach deployment, according to Gartner (2017), and those
- 87% of data science projects never make it to production (VentureBeat, 2019). • "Through 2022, only 20% of analytic insights will deliver business outcomes"

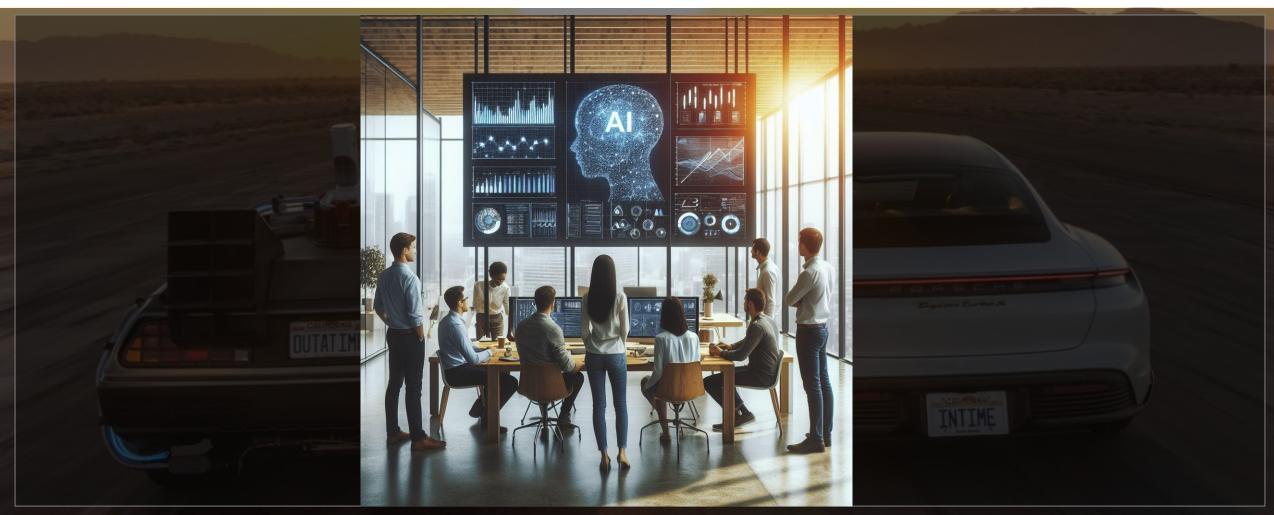
Global AI Survey: AI proves its worth, but

few scale impact





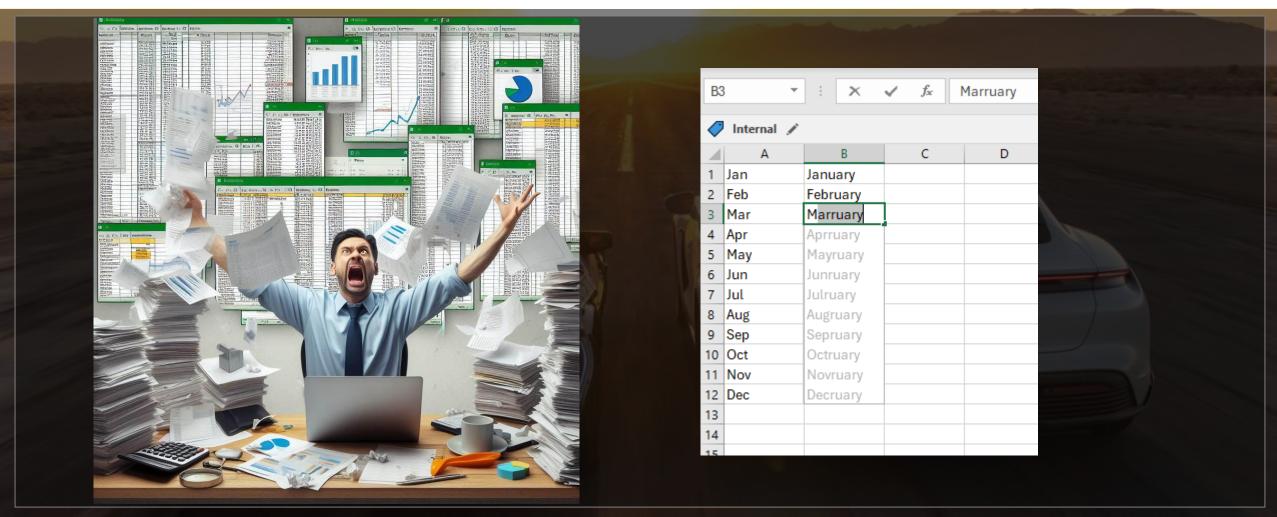
















Beyond the hype





Group Finance | Digital Transformation & Services

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Vision & Overview



Limitations

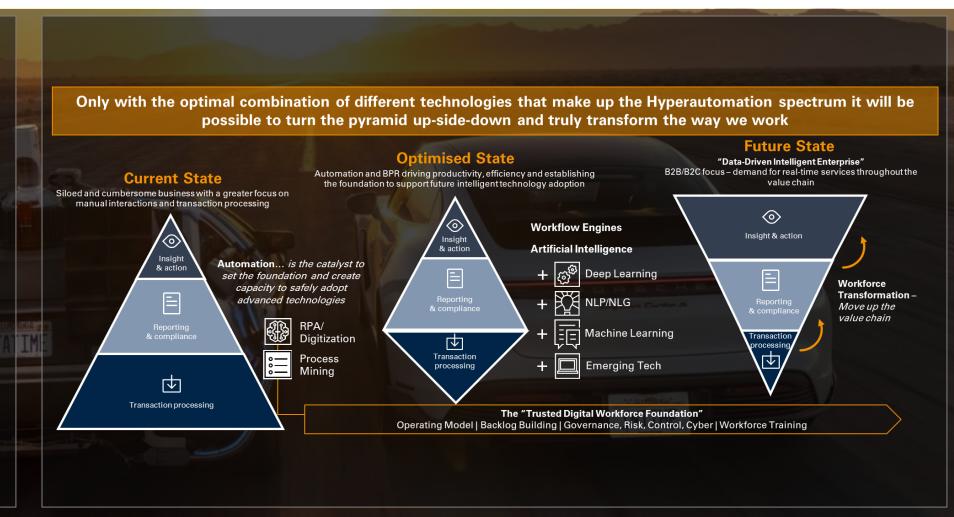
- Al is not a magic bullet for process automation
- Can create complex and untransparent systems

Challenges & Risks

- How to accept results from Alassisted solutions
- Understanding potential and limitations of Al

Examples

Predictive forecast @ PHS









Prerequisites

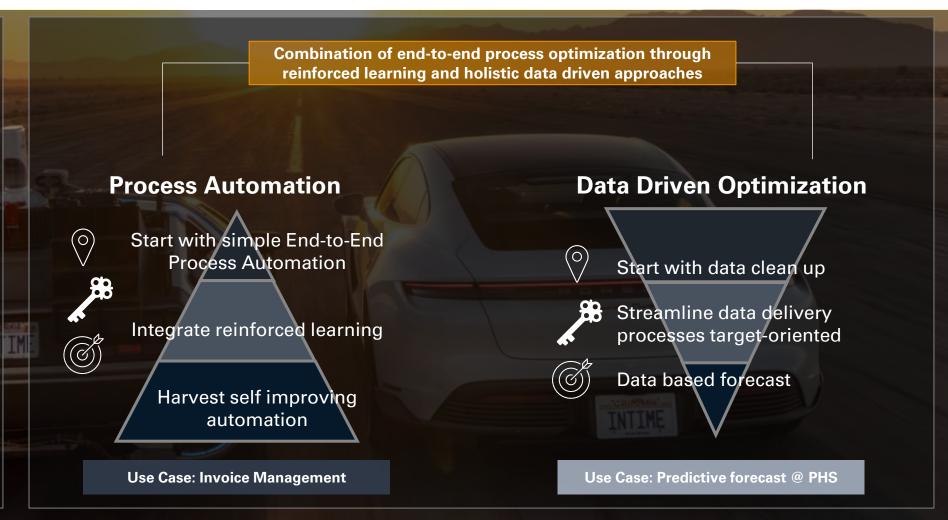
- Understand technology limitation
- Realize current optimization potentials
- Plan and act future orientated

Approach

 Combine: Automation through Reinforced Learning & Data Driven operations

Examples

- Predictive forecast @ PHS (Data driven approach)
- Invoice Management (reinforced learning integration)











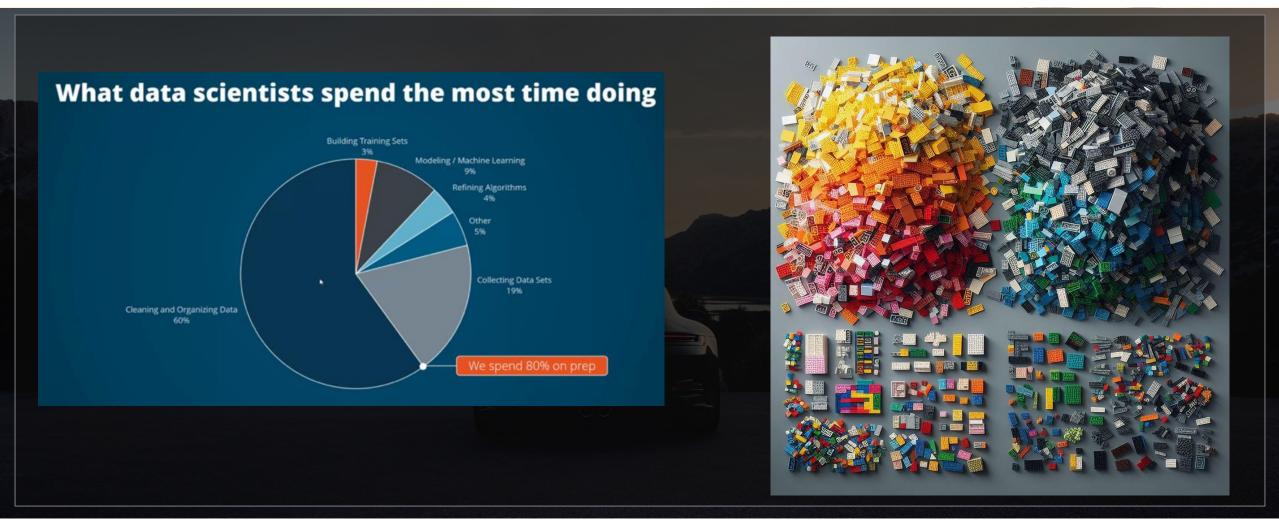




Data Driven Organization

The most time-consuming part of data projects is collecting, cleaning and organizing data



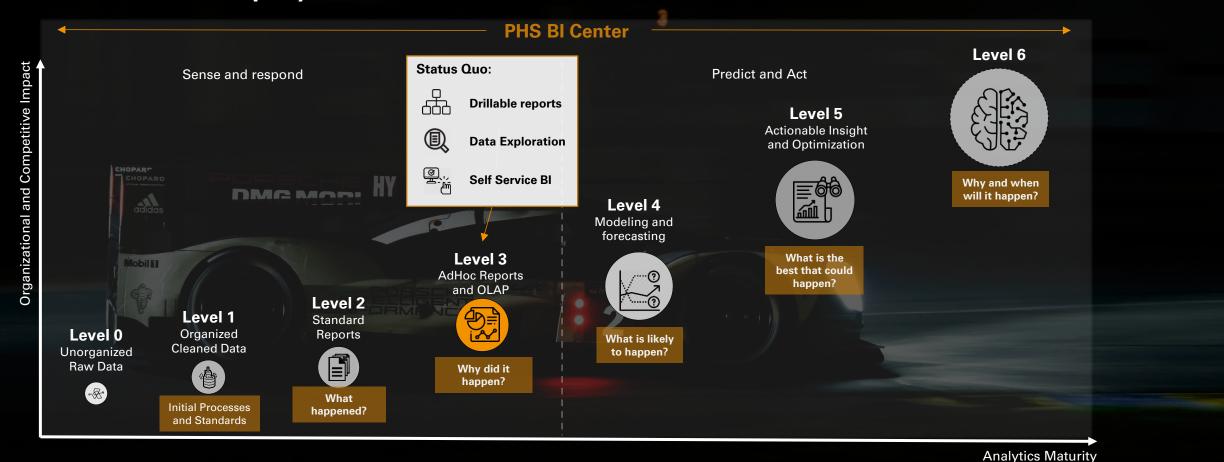








... to a data driven company!

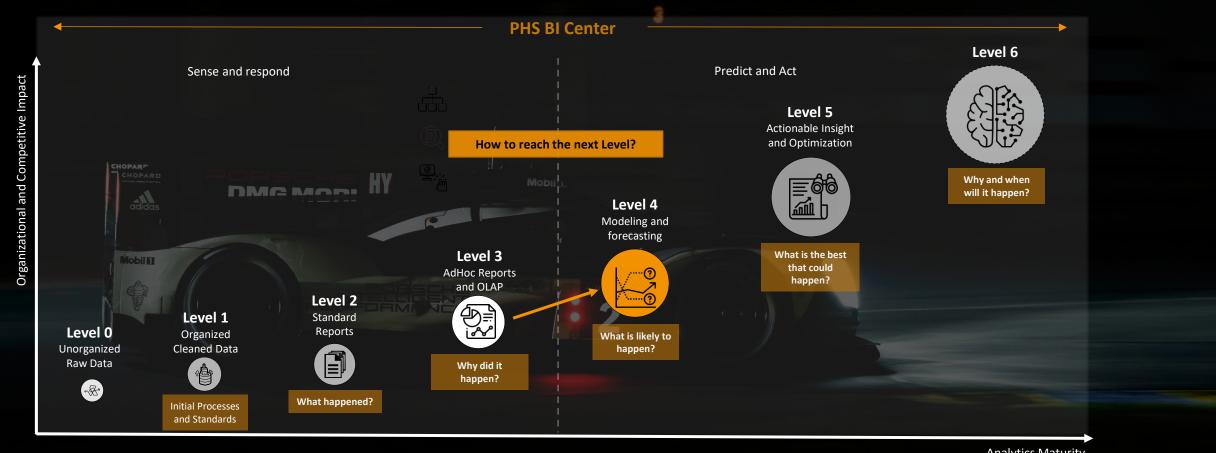








... to a data driven company!







How does an algorithm perform on a subset of our data compared to our manual Forecast?

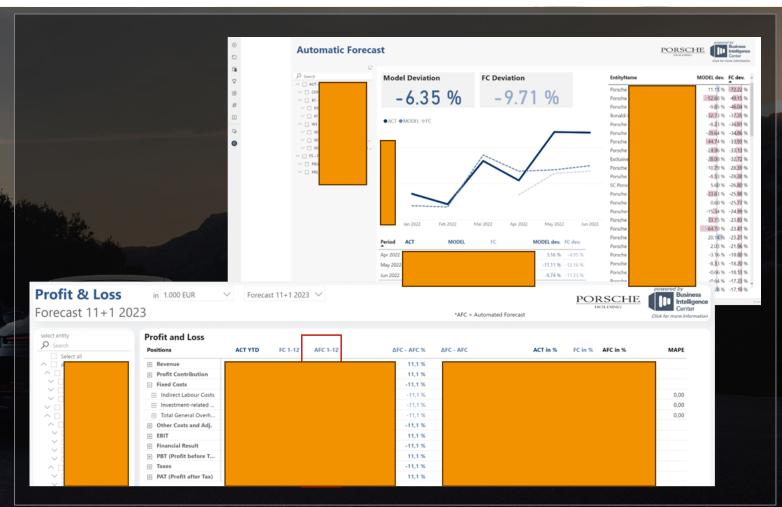


PoC Setting

- Forecast Version 3+9
- KPI: Revenue
- All Entities
- Excluded Months with high impact from COVID-19
- No further Model- Parameter optimization

Results of PoC

- On average 6,35% deviation to ACT, compared to 9,71% from manual Forecast
- More accurate prediction for 54% of entities & comparable prediction accuracy (±5%P) for 68% of entities







Forecasting - Next steps automated Forecast



There is no more manual work to create the Forecast, while increasing forecast accuracy and giving the possibility to simulate business scenarios

1. Create Data Asset (done)

Achievements:

- Connected to Datasources
- Created & automated ETL Processes
- Clean data & implement Business Logic
- Build Datamodels
- Visualize for Analysis / Reporting
- → Completed / Foundation for further Steps

2. Predict (ongoing)

Next Steps:

- Expand Forecast to End of Year
- Forecast EBIT
- Define scope with business areas
- Define additional KPIs

Goal:

- Forecast Balance Sheet, P&L, Cashflow and further KPIs with sufficient accuracy
- Provide a probability range for each value
- Automated Forecast as control instance for manual Forecast

3. Automate (next)

Next Steps:

- Requirements workshop with Business Areas
- Define Deployment, Frequency, User Groups

Goals:

- Eliminate manual work for business areas
- Eliminate human & political bias
- Automated Foreacst fully replaced manual Forecast

4. Simulate (future project)

Steps:

Requirements workshop

Goals:

Provide a tool for a quick simulation of different scenarios based on defined input parameters



Use Predictive FC as assistant



- Standardize the processes & KPIs
- Technology is the enabler but not the solution
- Fixing Data with a concrete reporting need
- It's a journey not an onetime event

