

# AC-TECH DIGITAL SERVICES

JAN 2026



## AC-TECH OVERVIEW

Established in 2018 by the founders of PPS-Austria, we focus on the Cypriot market by delivering end-to-end industrial solutions—from design and engineering to erection, commissioning, and ongoing support—ensuring reliability, efficiency, and long-term value for our clients, with respect and integrity.

Our core industries include **Power**, **WtE** and **Oil & Gas** and we are proud to collaborate with first-class international partners such as **ANDRITZ AG**, **ARVOS**, and **DELTRIAN**, enabling us to deliver world-class solutions supported by global expertise.

Over the past 2.5 years we expanded our services to include **Software Development**, **Data analytics**, IT and **AI consultancy** which will explore in this presentation

As part of this evolution, we have also developed **PrediDocs**, our proprietary in-house ERP platform, designed to streamline operations, enhance data visibility, and support intelligent decision-making across business functions.

# AC-Tech Digital Services

## TAILOR MADE SOFTWARE DEV

End-to-end custom development covering Analysis, Design, Development, Testing, Implementation and Support.

1

## IT CONSULTANCY

Expert guidance on IT strategy, architecture, and system optimization to align technology with business goals.

2

## AI TRANSFORMATION

Strategic advisory and implementation to adopt AI, optimize processes, and drive intelligent decision-making.

3

## DATA ANALYTICS

Advanced analysis and visualization uncovering insights to support data-driven decisions.

4

## PREDIDOCs TRANSITION

Implement and support PrediDocs, an in-house ERP platform that combines six core modules into a single cloud and AI-driven solution.

5

```
context):  
latest_active_object is not None
```

# +30 Years Experience

## EMEA Maestro Media Platform +50 Countries

7 Years , Project Manager, Architect Nielsen

## EMEA Ripple Retail Stat. Platform +50 Countries

12 Years , Project Manager, Architect Nielsen

## Global CIP Statistical Platform +100 countries

9 Years, Service Delivery Manager Nielsen

## PrediDocs Platform

2.5Years , AC-TECH Managing Director / Architect/ Dev

\$200M+ Projects

100+ Tech team

Big Data / Cloud

Wealth Mgt \$60M+

# 70% of U.S. CEOs reported

No change or were unsure whether AI is affecting their firms



# Why?

Despite intense focus on AI, many US CEOs find it difficult to translate AI into real business value, not from lack of interest but from structural and operational barriers.

## Risk of Paralysis

60% of CEOs intentionally slowed AI implementation due to fears of **malfunctions, data leaks** and **cyber attacks**.

## Difficulty Measuring ROI

biggest struggle—is figuring out how to measure the actual financial return on AI investments

## Integration Issues

Fragmented data, siloed teams, lack of governance, and resistance to change make it tough to **integrate** AI into business processes to delivers measurable outcomes.

## Cannot find AI talents

Cannot find AI talents needed to put technology into practice.

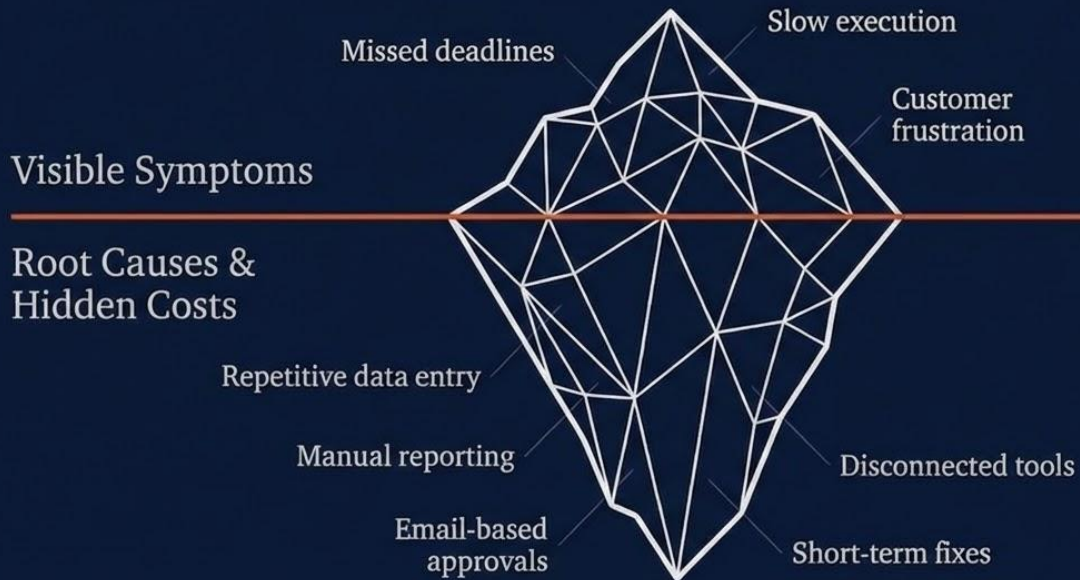
## AI is a set of Tools, is **not a Magic**

AI and Cloud are powerful enablers, but they require a clear strategy and process discipline. So we need to measure and redesign the process if needed and then implement carefully

# Where to Start

## Define the Problem

### Visible Delays Are Just the Tip of the Iceberg



Insight: Many processes were created to solve immediate needs, not as part of a long-term plan. This results in a "hidden factory" of rework and manual reconciliation.

# Evaluate process performance

## Time Measure

- 1 Time Spend per step >
- 2 Cycle Total Time >
- 3 Bottlenecks duration / queue time >

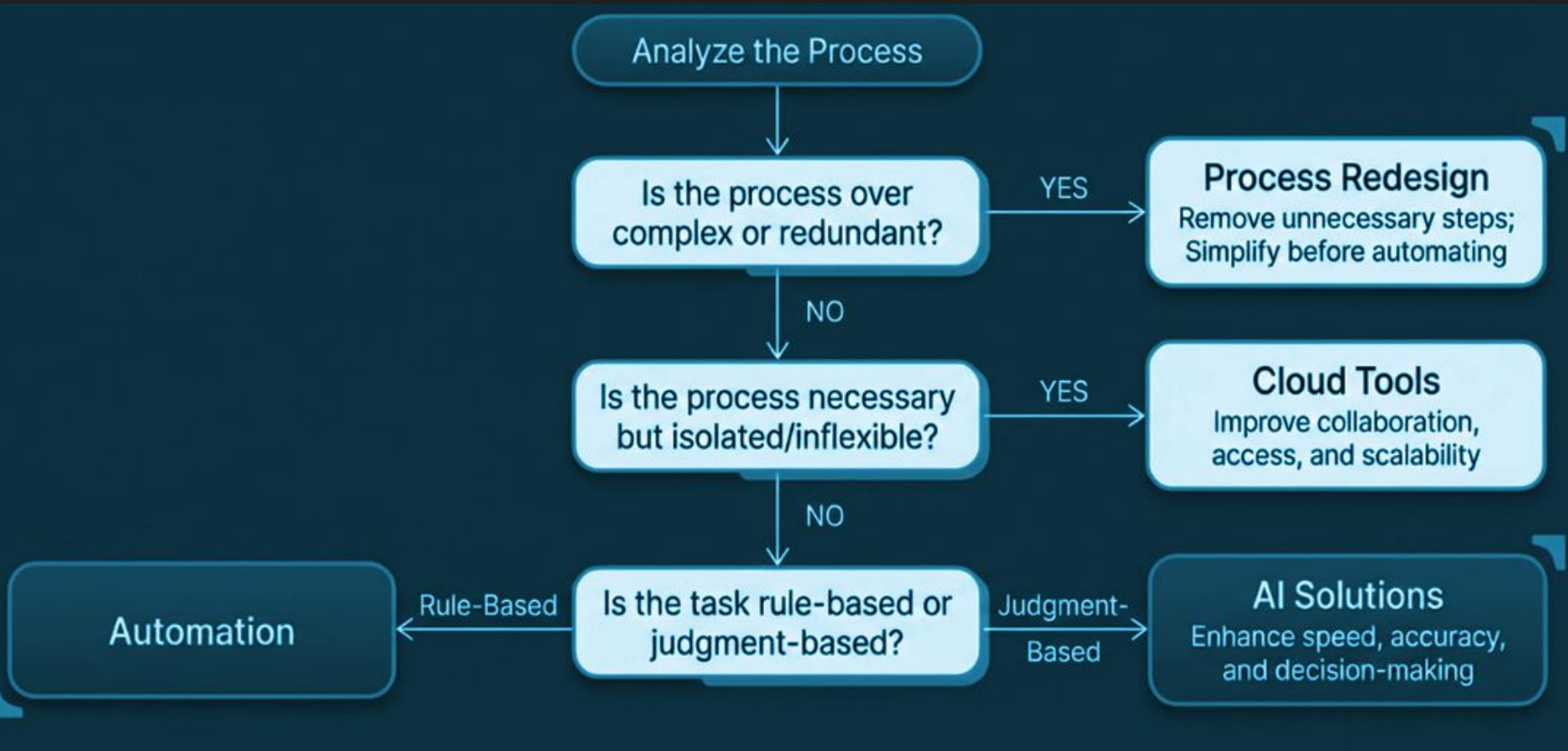
## Cost Measure

- 1 Labour cost per Step >
- 2 Cost of rework >
- 3 Cost of Error correction >

## Quality Measure

- 1 Error rates >
- 2 Defects Frequency >
- 3 Rework % >

# Selecting Right Approach



Do not automate a broken process. Simplify first, then digitize.

# Example

## BEFORE: Current (Manual) Process

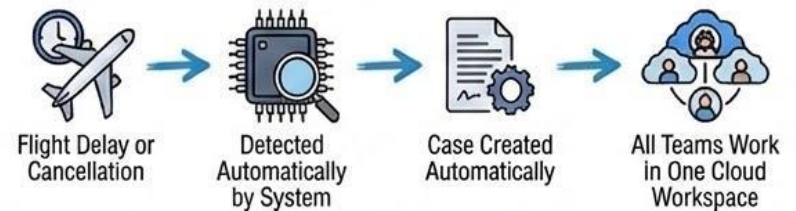


### Key Issues (Before)

- ⚠ Heavy manual work
- ⚠ Slow response time
- ⚠ Inconsistent decisions
- ⚠ Poor visibility across teams

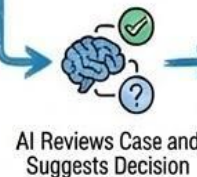


## AFTER: Redesigned (Automated & AI-Supported) Process



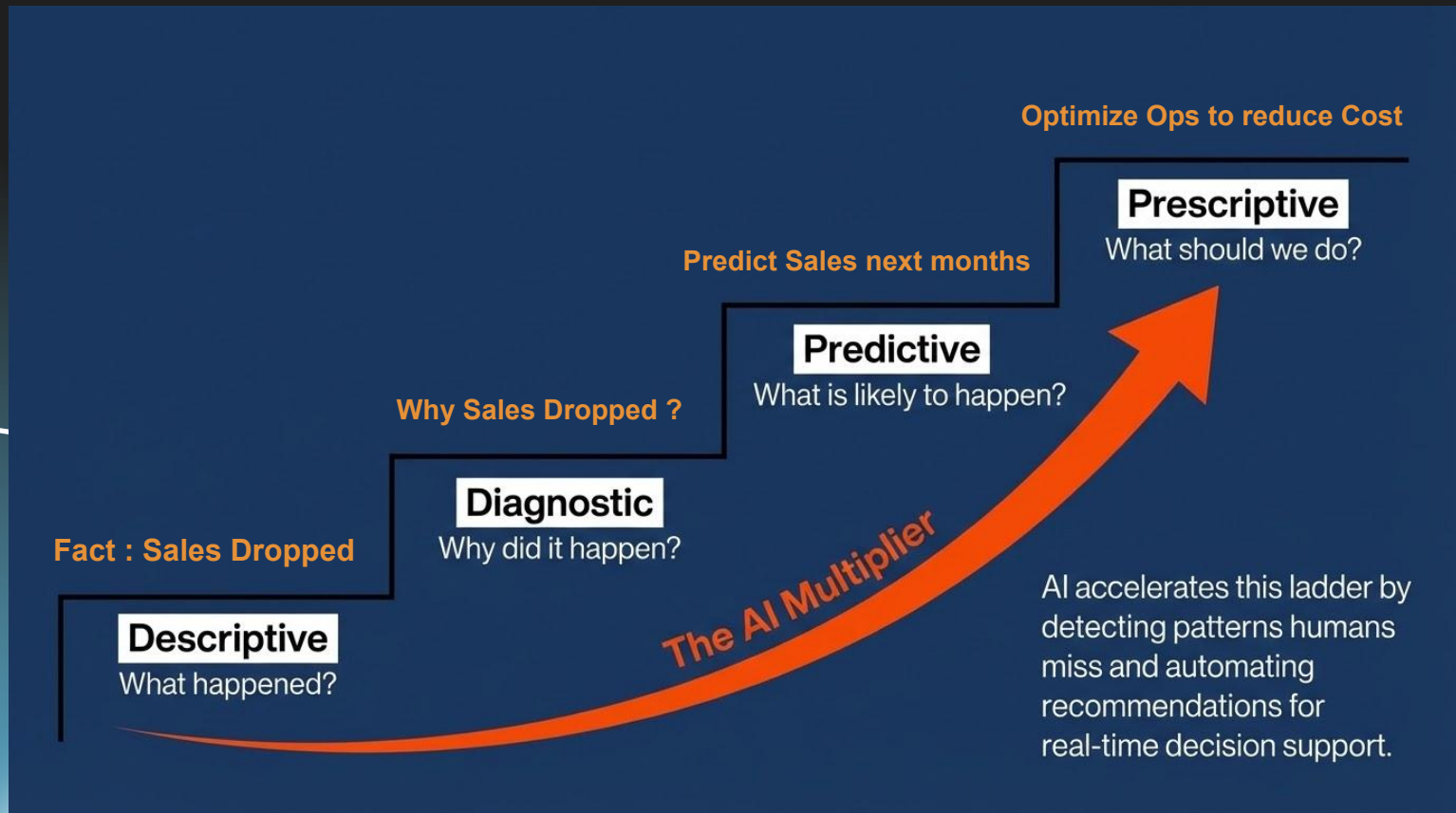
### Key Improvements (After)

- ✓ Much less manual effort
- ✓ Faster case handling
- ✓ Consistent, rule-based decisions
- ✓ Better team collaboration
- ✓ Improved customer experience



# Data Analytics

turns raw data, into insights people can understand and act on.



Special AI Algorithms for each of the steps



# APPENDIX

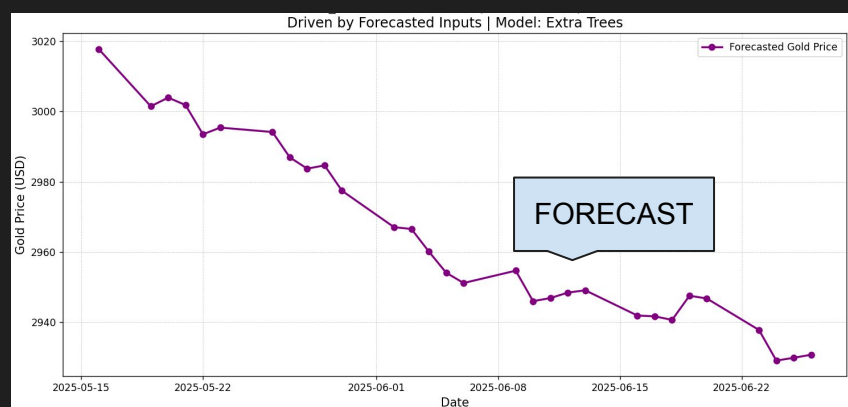
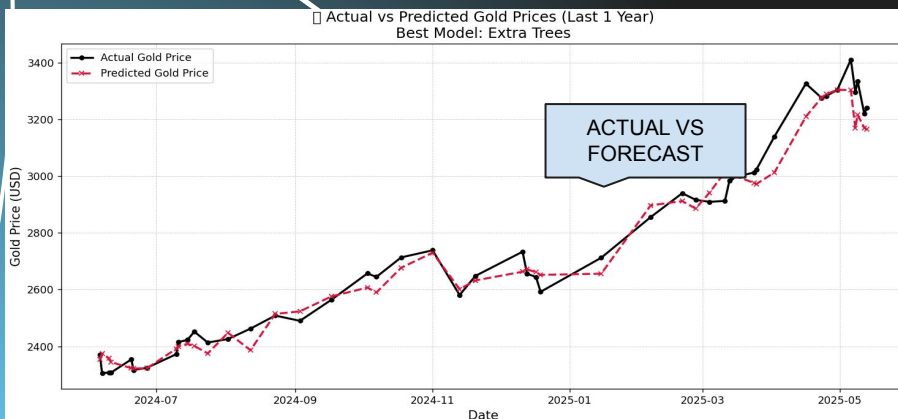
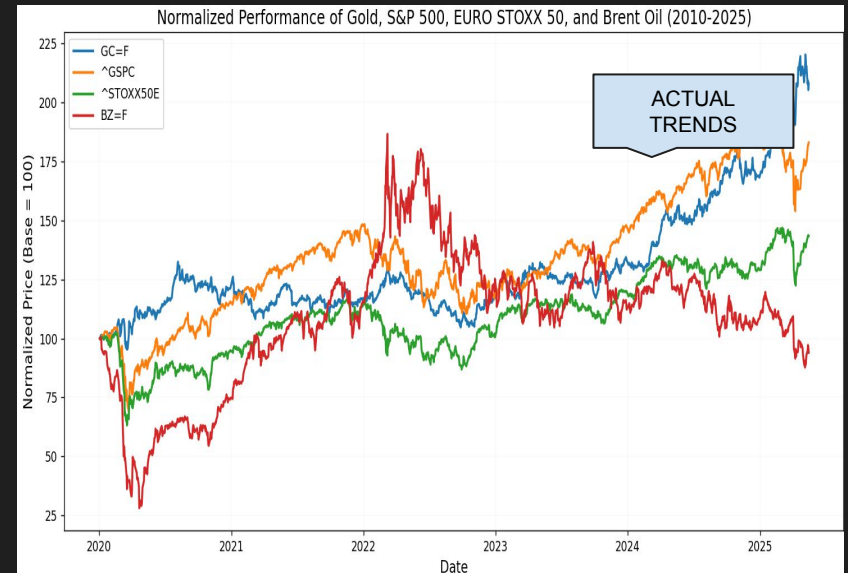
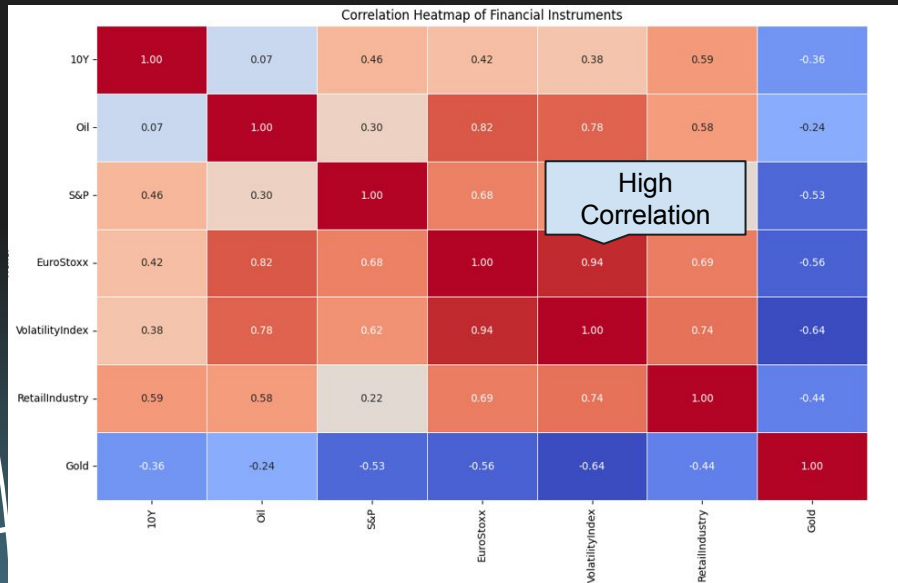


# **DATA ANALYTICS real-world PROJECTS**

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# Gold Price Prediction Using ML

The project explored the relationship between various variables like Retail Industry Index, Interest rates, Volatility Index, Oil, Stock Indices, and Gold Prices using multiple Machine Learning Models. Gold acts as a hedge against inflation and economic uncertainty. Understanding what drives its price can help in portfolio diversification and macro strategy development.



# Inventory Optimization

## Prescriptive Analysis

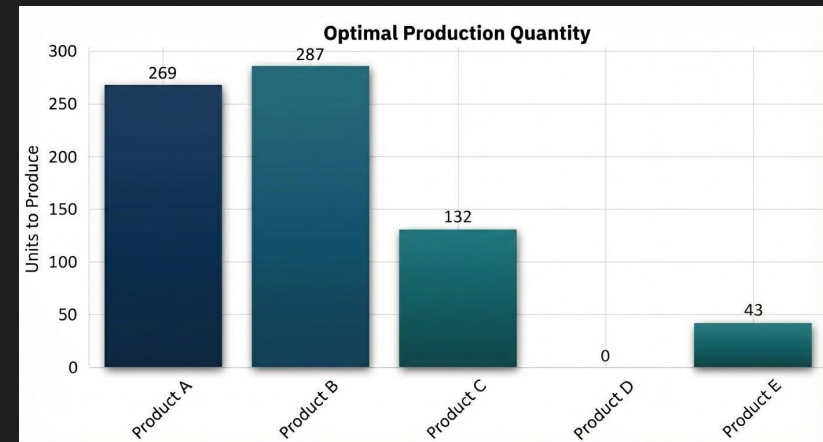
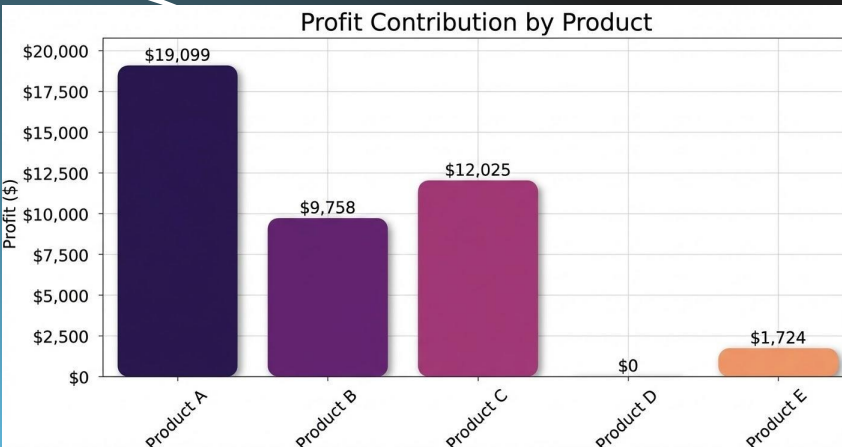
This Prescriptive Analytics solution determines the optimal production mix that maximizes profit for a manufacturer considering machine capacity and market demand constraints. It provides recommendations on production quantities, identifies bottleneck resources, and delivers data-driven insights for decision-making. Enhanced with visualizations, sensitivity analysis, and scenario planning, the solution helps manufacturers optimize operations and profitability. The approach can be integrated with ERP systems for real-world implementation.

### Optimal Production Plan Total Profit: **\$42,605.88**

Product	Produce (units)	Max Demand	Demand Satisfied (%)	Profit/Unit	Total Profit
Product A	269	269	100.0	71	19099.00
Product B	287	287	100.0	34	9758.00
Product C	132	370	35.7	91	12025.25
Product D	0	289	0.0	80	0.00
Product E	43	274	15.7	40	1723.63

#### Resource Utilization:

Resource	Used Hours	Available Hours	Utilization (%)
Machine 1	361.9	960	37.7
Machine 2	874.0	874	100.0
Machine 3	458.0	458	100.0



# Background

## 28+

### Years Experience in IT

In U.S. multinational, multi-billion-dollar organizations.

## \$200M+

### Budgets Managed

Proven leadership managing multi-million-dollar software development programs.

## 17+

### Wealth Mgt/Data Analysis



## \$60M+

### Portfolios Managed

Proven leadership managing multi-million-dollar international portfolio management.

### Global Scale

Experience/Collaboration with huge data providers

Walmart   ORACLE

### Dual Expertise

Inter

- Unique intersection of Computer Science,
- Software Engineering, and Financial
- Investment Advisory.

### Global Scale

1. US/Global Markets
2. Shares/Bonds/Commodities

### Dual Expertise

Inter

- Unique intersection of Computer Science,
- Software Engineering, and Financial
- Investment Advisory.



## GLOBAL ENTERPRISE & BIG DATA

- 28+ Years in U.S. multinational, multi-billion-dollar organizations
- Bsc Computer Science / MSc Software engineering
- Extensive expertise in Big Data (multi-petabyte scale) projects
- Global enterprises: Walmart, Amazon, and other leading retailers
- Proven leadership in large-scale data centers across multiple global regions



## PROVEN LEADERSHIP & DELIVERY

- Led multi-million-dollar software development programs (USD 200M+ budgets)
- Development Manager overseeing 50+ member teams, local and remote
- PMP-Certified Project Manager (Nielsen) with strong delivery governance
- Deep knowledge of best-in-class software development practices, including Agile methodologies



## CLOUD INNOVATION & PARTNERSHIPS

- Hands-on experience with latest cloud-based technologies
- Close collaboration with engineers from top global technology companies (Microsoft, Oracle, TCS, and others)



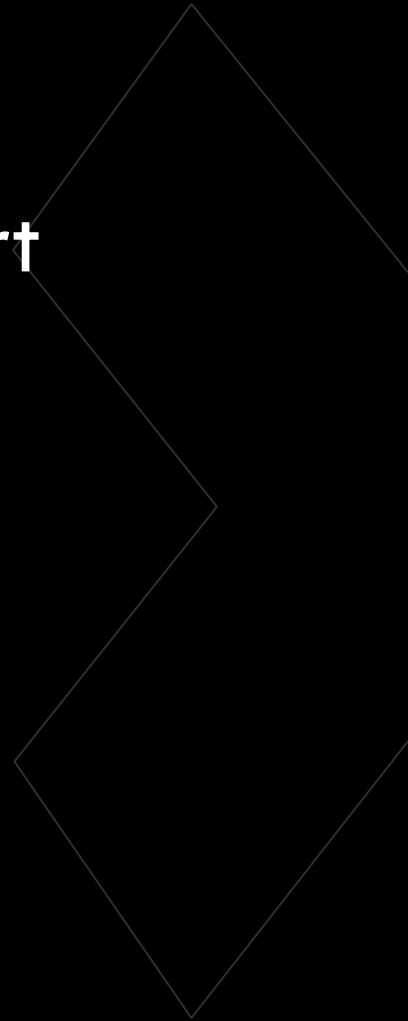
## FINANCE & ANALYTICS SPECIALIZATION

- 17 years in Investment Advisory and Data analytics
- BSc Mathematics and Msc in Finance
- Large Affluent Client Portfolio Management



Using latest technologies

# AC-Tech inhouse Smart ERP, called PrediDocs



# Tech Stack

## CLOUD

Azure  
Google Workspace

## Database

Oracle, SQL Server,  
SQLite

## Front end

Javascript , CSS, Html  
c# Razor

## Back-End

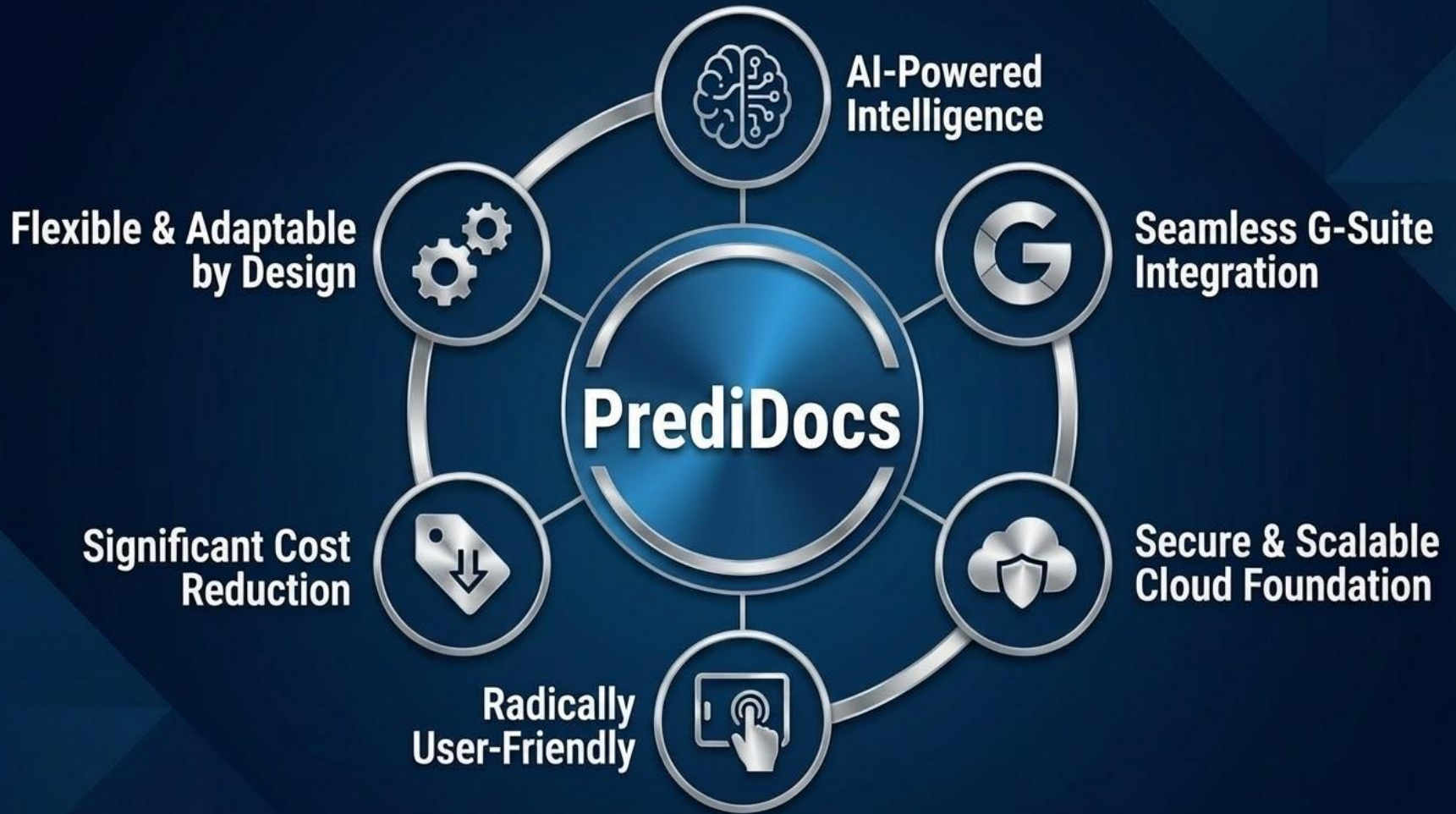
C# ASP .NET MVC, JAVA  
PYTHON

## Data Analytics

Python , SQL, gSheets,  
Javascript, VBA

# PrediDocs pillars of a Smarter ERP

> PRESENTATION



# Contacts



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# Thank you!

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