

RÉKA MÉSZÁROS-ERDEI

IT Business Consultant • Digital Transformation Specialist

Process Optimisation • Industrial Operations • HSE Awareness • Agile Delivery



+36 70 373 0797 • erdeireka87@gmail.com • Budapest, Hungary • **Open to relocation across the EU**

Nationality: Hungarian (EU) • EU citizen — no work permit required across the EU • Availability: Immediate

PROFESSIONAL SUMMARY

IT Business Consultant bridging plant operations and enterprise IT in the oil and gas industry. With **10+ years of combined experience as a Chemical Engineer (MSc) and IT professional**, I help operators and digital teams turn complex HSE, integrity and production requirements into deployable, governed software.

At MOL Group I owned the Production & HSE IT portfolio across **5 refinery and petrochemical sites in Hungary, Slovakia and Croatia** — running 10–15 parallel projects within the wider 3M USD / 50-project Group portfolio, with multi-year IT roadmaps, CAPEX/OPEX governance, vendor management and stakeholder alignment from executive leadership to plant floor. Previously, working with the **OSIsoft PI System**, I focused on building **predictive maintenance dashboards and analytics logic** — including IOW (Integrity Operating Window) monitoring and the introduction of **machine-learning-driven decision support** into daily refinery operations — with **500–800K USD annual savings potential** identified. As Business Analyst and Product Owner since, I have delivered enterprise digitalisation programmes (HR, healthcare, ticketing) end-to-end — GAP analysis, requirements management, backlog ownership and agile delivery.

CORE COMPETENCIES

BUSINESS & ADVISORY

- ▶ Business Analysis & Requirements Management
- ▶ Stakeholder Management (Executive to Plant)
- ▶ Process Optimisation & GAP Analysis
- ▶ CAPEX/OPEX Planning & IT Governance
- ▶ Vendor Management & IT Demand Pipeline

IT & TECHNICAL

- ▶ Digital Transformation Strategy & Roadmaps
- ▶ IT/OT Integration in Industrial Environments
- ▶ Agile / Scrum Delivery & Product Ownership
- ▶ Oil & Gas Software (OSIsoft PI, Sigmafine, etc.)
- ▶ HSE & Operational Excellence Systems

KEY ACHIEVEMENTS

- **Owned a multi-country IT portfolio @ MOL Group:** ran 10–15 parallel digitalisation projects within the Production & HSE portfolio (3M USD / ~50 projects Group-wide), covering 5 refinery and petrochemical sites across Hungary, Slovakia and Croatia — full Group downstream footprint.
- **Drove a Group-wide LIMS implementation (multi-year, 3M USD):** introduced a Laboratory Information Management System covering ~500 lab staff across countries — harmonising lab processes and data flows.
- **Delivered the HSE digitalisation roadmap (500K USD):** rolled out waste management and HSE Mobile Applications (in-house HSE Info App + Enablon SE / Wolters Kluwer EHS platform mobile app) as flagship deliveries — first standardised digital HSE workflow across HU/SK/HR sites for both blue- and white-collar staff.
- **Gathered and prioritised refinery mobile app requirements:** captured mobile workflow needs across refinery operations — explicitly including blue-collar use cases on the plant floor — and led the Production & HSE share of the Group mobile application portfolio after smartphone rollout to all employees.
- **Delivered predictive maintenance & ML in refinery operations:** built predictive maintenance dashboards and analytics logic on the OSIsoft PI System, including IOW monitoring and the introduction of machine-learning-driven decision support into daily refinery operations — with 500–800K USD annual savings potential identified.
- **Led HR recruitment digitalisation GAP analysis @ Onespire (client: Wizz Air):** executed full requirements gathering and GAP analysis for the recruitment side of HR processes (~1,000 employees) — a building block of Wizz Air's multi-million USD 2030 strategic programme; also validated and refreshed back-office processes for the Wizz Air Malta entity launch.

- **Owned the IT-side launch of a new private maternity service @ Medcover (200K USD):** ran the product backlog for an outpatient/inpatient process optimisation platform serving ~200 physicians and several thousand patients, and coordinated system readiness, process design and release for the new maternity service line.

PROFESSIONAL EXPERIENCE

Business Analyst | CommIT Smart

2024 – 2025

Budapest, Hungary

- **Project initiation:** prepared and launched online event ticketing platform projects covering ticketing integrations and event-management workflows.
- **Backlog ownership:** authored user stories and maintained a healthy product backlog aligned with stakeholder priorities and release plans.
- **Agile delivery:** supported the full agile ceremony cycle (sprint planning, refinement, review, retrospective) bridging product and engineering teams.

IT Consultant | Onespire (IT consultancy)

2022 – 2023

Budapest, Hungary

- **Client engagement (Wizz Air):** served Wizz Air as primary client throughout the engagement — covering both strategic HR digitalisation and operational subsidiary stand-up workstreams.
- **HR recruitment digitalisation (1,000 employees):** conducted requirement gathering, stakeholder interviews and GAP analysis for the recruitment side of Wizz Air's HR processes — a building block of Wizz Air's multi-million USD 2030 strategic programme.
- **Subsidiary stand-up support:** validated and refreshed back-office HR processes for the Wizz Air Malta entity launch — high-stakes new subsidiary requiring rapid process readiness.
- **Process optimisation:** identified digitalisation potential, optimised onboarding workflows, and authored functional specifications partnering with development teams to ensure delivery met business intent.

Product Owner | Medcover

2022

Budapest, Hungary

- **Clinical product ownership (200K USD):** owned the product backlog and business requirements for an outpatient and inpatient process optimisation platform — serving ~200 physicians and several thousand patients.
- **New service line launch:** led the IT-side introduction of a new private maternity service — coordinating system readiness, process design and release across clinical and operational stakeholders.
- **Roadmap & delivery:** defined and communicated the product roadmap; led agile delivery cadence and release coordination.
- **Requirements with clinical experts:** engaged directly with physicians as business domain experts — gathering, refining and validating requirements to ensure the platform reflected real clinical workflows.

Downstream IT Senior Domain Expert — Production & HSE | MOL

2017 – 2022

Plc. (Group Downstream)

Budapest, Hungary

- **Multi-country portfolio:** owned 10–15 parallel digitalisation projects within the wider Production & HSE portfolio (3M USD / ~50 projects Group-wide), covering 5 refinery and petrochemical sites across Hungary, Slovakia and Croatia.
- **Group-wide flagship deliveries:** led LIMS implementation (3M USD multi-year), HSE digitalisation roadmap including waste management & HSE Mobile App (500K USD), Laboratory digitalisation roadmap (300K USD), and the blue-collar mobile application portfolio.
- **Trusted IT partner:** served as the go-to IT contact for Production, HSE and Laboratory functions — from early ideation through requirements, scoping and delivery hand-over.
- **Stakeholder reach:** drove Group-level harmonisation of HSE processes covering all blue- and white-collar staff across HU/SK/HR sites, and Laboratory processes covering ~500 lab personnel Group-wide.
- **CAPEX/OPEX ownership:** led annual capital and operational expenditure planning, vendor reviews and budget defence with Group leadership.

- **Reliability & integrity monitoring:** designed and deployed predictive maintenance analytics on the OSIsoft PI System with a reliability and asset-integrity focus — Integrity Operating Window monitoring, corrosion and thickness trending, and automated early-warning logic to prevent integrity-related failures; used daily by plant operators, technologists and integrity engineers.
- **Production performance dashboards:** built operations-related business logic and dashboards on the OSIsoft PI System for daily throughput and yield tracking, off-spec prevention and process-stability monitoring — supporting operational-excellence decisions on the plant floor.
- **Mass & energy balance reconciliation:** supported refinery mass and energy balance reconciliation using Pimsoft Sigmafine — a core Oil & Gas yield-accounting and loss-control capability.
- **Machine learning introduction:** introduced machine-learning-driven decision support into operational workflows — assessed business case identified 500–800K USD annual savings potential through reduced unplanned events and operational excellence.

EDUCATION

MSc — Chemical Engineering | Budapest University of Technology & Economics 2012 - 2014

BSc — Chemical & Process Engineering | Budapest University of Technology & Economics 2005 - 2009

TECHNICAL SKILLS & TOOLS

Industrial / Plant Operations

Skills: Predictive maintenance, reliability & integrity analytics, IT/OT integration, operational dashboards

Tools: OSIsoft PI System (AVEVA), Sigmafine

Business Analysis

Skills: GAP analysis, requirement gathering, stakeholder interviews, BPMN, KPI design

Tools: Microsoft Visio, draw.io, VS Code, Postman

Agile Delivery & Project Management

Skills: Scrum, backlog management, user stories, sprint planning, release coordination

Tools: Jira, GitHub, GitLab

Productivity & Communication

Skills: Documentation, content design, stakeholder reporting

Tools: Microsoft 365, SharePoint

LANGUAGES

Hungarian — Native (C2) • **English** — Professional Working Proficiency (C1) • **German** — General communication (B2)