

Ahmed Mahmoud Swid

Power BI Expert · Data & Business Analyst · Dashboards · Reporting Automation

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PROFESSIONAL SUMMARY

Business & Data Analyst with 4+ years on Riyadh Municipality projects, turning operational data into decision-ready dashboards and KPIs. Designed and delivered BI platforms governing SAR 179.3M in maintenance contracts, and automated executive reporting end to end – from data cleaning to daily delivery with no manual step. Skilled in Power BI, DAX, Power Query, SQL and Excel across data modelling, dashboard design and workflow automation. PMI CAPM® certified; delivered over 360 hours of hands-on Power BI workshops to 150+ staff, and authored their material.

SKILLS

Power BI

DAX

Power Query

SQL

Microsoft Excel (Advanced)

Data Modelling

ETL & Data Cleaning

Dashboard Design

KPI Development

Business Analysis

Executive Reporting

Workflow Automation (n8n)

Requirements Gathering

Data Visualization

EXPERIENCE

Business Analyst – Al-Shathri Company – Riyadh Municipality projects (Operations & Maintenance Agency)

2022 - Present

- Built a 34-screen operations platform running SAR 179.3M of street-lighting maintenance contracts for the Wasat sector – from data cleaning to the decision board, as sole analyst, designer, developer and operator.
- Automated the seven-page daily executive report so it reaches the director by email and Telegram with no human in the loop, replacing manual preparation every morning.
- Replaced subjective contractor assessment with one objective yardstick across eight maintenance contracts: spend rate against elapsed duration, safety score, and deducted penalties.
- Ran a risk analysis of the lighting network – 60,658 poles and 445 stations classified into five risk tiers from resistance and leakage readings – so repair priority rests on measurement rather than judgement.

KEY PROJECTS

Wasat Sector Platform – Street-Lighting Maintenance

Riyadh Municipality · General Directorate of Infrastructure

A 34-screen operations platform running SAR 179.3M of maintenance contracts: automated data cleaning, a field map of 7,709 complaints across eight zones, an objective contractor scorecard, EVM forecasting, and an analytical assistant plus a daily executive report delivered to the director automatically.

Next.js · TypeScript · Supabase/PostgreSQL · Claude · n8n · Leaflet

North Sector Enterprise System

Riyadh Municipality

An 8-dashboard analytics platform with self-serve Excel ingestion, RBAC, a Telegram analytical assistant, and scheduled email reports and alerts.

Next.js · Claude · Supabase · n8n · RBAC

CERTIFICATIONS

CAPM – Certified Associate in Project Management

Project Management Institute (PMI)

EDUCATION

Bachelor of Laws (LL.B.) – Zagazig University, Egypt, 2011

LANGUAGES

Arabic	Native
English	Good