

INTEGRATED ASSURED SOLUTIONS

Rail & Mass-Transit Safety Assurance | RAMS | Independent Safety Assessment

Independent assurance that gets railways approved.

Integrated Assured Solutions is a specialist rail safety assurance consultancy led by **Sidharth Dawar** — 20+ years of independent safety authority across some of the world's largest rail programmes, including Crossrail, HS1, Riyadh Metro and Metrolinx GO Expansion. We hold the independent line on safety-critical programmes and produce the evidence that lets regulators authorise them — from design through to operational handover.

What we deliver

- ▶ **Independent Safety Assessment** — appointed ISA / C-ISA / ICP, providing independent authority and challenge to project directors, contractors and regulators.
- ▶ **RAMS & Reliability Engineering** — hazard logs, FMEA / FMECA, FTA, and RAM & availability analysis to EN 50126.
- ▶ **Safety Case & CSM-RA Assurance** — safety-case authoring and review, CENELEC and CSM-RA (EU 402/2013) compliance.
- ▶ **Assurance Health-Check & Gap Review** — a fixed-scope diagnostic of hazard log, safety case and evidence maturity, with a get-well plan.
- ▶ **Assurance Framework Mobilisation** — standing up the assurance plan, deliverable set and stage-gate evidence model for a new programme.
- ▶ **Interim Assurance Leadership** — drop-in assurance management and systems-integration leadership for a defined period.

Track record

A \$10bn metro authorised. Issued the Statements of No-Objection that enabled safety authorisation and revenue service on Riyadh Metro Lines 4–6 with the Transport General Authority.

\$20bn programme integration. Authored Crossrail's integrated and operational test strategy, aligning MEP, fire and route-wide systems across stations, shafts and portals.

Hidden availability risk surfaced. RAM analysis on a North American commuter programme revealed 34 of 63 station zones missing their availability target — unseen until the reliability data was joined up.

Regulator-facing delivery. Project Director on the \$1bn ElecLink programme (Eurotunnel–HS1), reporting to the Channel Tunnel Safety Authority and the ORR.

Standards, credentials & how we work

Standards: EN 50126 / 50128 / 50129, CSM-RA (EU 402/2013), IEC 61508, NFPA 130, ROGS.

Credentials: Saudi Council of Engineers (registered to 2028); Safety & Reliability Society; APM; MSc System Reliability Engineering (Manchester); MBA; executive development at Oxford Saïd and Harvard.

Engagement: remotely and on-site, on a day-rate, fixed-package or retained basis, with associate capacity for larger scopes. UK-based; available across the Gulf and internationally.

Sidharth Dawar Director

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