

Singapore's Ministry of Manpower Uses Data Analytics to Target Workplace-Safety Inspections

AI in the Public Sector · Good practice · Singapore

Quality score: 53/100

Evidence strength: Observational / pre–post

Summary

Singapore's Ministry of Manpower used data analytics to flag high-risk construction firms for inspection: 600 firms flagged in 2019 had a 90% offense rate once inspected, and a comparable 2018 audit needed 20,000 fewer inspector-hours than the prior manual approach.

Key dimensions

Dimension	Score
Evidence of impact / measured public value	2/3
Transparency, fairness & accountability	1/3
Transferability / demonstrated replication	1/3
Scalability beyond pilot	2/3
Governance, capability & sustainability	2/3

Evaluated by C-NAPSE

Data sources

[C-NAPSE web research](#) — accessed 2026-08-09

[Ministry of Manpower \(MOM\), Singapore](#) — accessed 2026-08-09

[Singapore's Manpower Ministry Turns to Data Science for Labor Enforcement \(CDOTrends\)](#) — accessed 2026-08-09

[Using data to redesign retirement — Ministry of Manpower data analytics \(GovInsider\)](#) — accessed 2026-08-09

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