

CERTIFIED INDUSTRIAL AI MATURITY READINESS INDEX (AIMRI) ASSESSOR

In collaboration with the International Centre for Industrial Transformation



Duration: 40+ hrs coursework · 100 hrs recommended self-study

Role: Consultants, Managers, Engineers

Languages: English

Class size: Up to 20 participants

Prerequisites: STEM degree (or case-by-case review) + at least 3 yrs relevant professional experience

Certification: Certified AIMRI Assessor (CAA)

OVERVIEW

The Industrial AI Maturity Readiness Index (AIMRI) is a framework created by the International Centre for Industrial Transformation (INCIT), co-developed with Detecon International, with scientific advisory input from the Technical University of Munich (TUM), the University of Maryland, and Tecnológico de Monterrey. INCIT describes it as the world's first AI-centric industrial readiness framework.

AIMRI assesses an organisation's AI readiness across 3 building blocks, 8 pillars, and 20 dimensions. Candidates who complete the Certified AIMRI Assessor (CAA) training and pass the examination are authorised to conduct Official AIMRI Assessments.

WHO SHOULD ATTEND

- Manufacturers – assessing AI readiness across strategic, operational, and technological dimensions
- Governments & Associations – benchmarking national or sectoral AI readiness and informing policy
- Technology & Consultancy Firms – using AIMRI as a standardised framework to design client AI transformation roadmaps, and becoming Certified AIMRI Assessors themselves
- Equity Firms – assessing the AI maturity and competitive potential of manufacturing assets during due diligence

LEARNING OUTCOMES

- Understand the AIMRI framework: its 3 building blocks (AI Purpose, Technology & Data Foundation, Intelligent Enterprise), 8 pillars, and 20 dimensions of assessment
- Distinguish between AIMRI 12 and AIMRI 20, and the type of organisation each is designed for
- Apply the Assessment Matrix to score a dimension using the six-band scale, from Undefined to Intelligent
- Understand the LEAD framework (Learn, Evaluate, Architect, Deliver) and how it structures an Official AIMRI Assessment
- Understand the TIER framework and how the Prioritisation Matrix ranks AI investment priorities by cost impact, business KPIs, and best-in-class proximity
- Conduct the three phases of an Official AIMRI Assessment: Plan & Prepare, On-Site Evaluation, and Debriefing & Roadmap
- Generate and present the outputs of an Official AIMRI Assessment: maturity scores, the Prioritisation Matrix, the 3B Best-in-Class Benchmark, and a leadership debrief with roadmap recommendations

THE AIMRI FRAMEWORK

Building Block	Focus	Dimensions
AI Purpose	Aligning AI initiatives with business objectives, ethics, and regulatory compliance – AI strategy, organisation, risk management, and workforce transformation	8
Technology & Data Foundation	AI infrastructure, data lifecycle, and model management capabilities required to scale AI	6
Intelligent Enterprise	AI process adaptation and human-AI collaboration across operations, supply chain, and product lifecycle management	6

Two levels of depth:

- AIMRI 12 – 3 building blocks, 6 pillars, 12 dimensions. For organisations that mainly buy AI capabilities and want a foundational read on readiness.
- AIMRI 20 – 3 building blocks, 8 pillars, 20 dimensions. For organisations that make and buy AI and aim to lead with AI as a strategic differentiator.

THE ASSESSMENT MATRIX

Every dimension is scored on the same six-band scale:

- Band 0 – Undefined: No AI intent or activity; capability is absent and undocumented
- Band 1 – Initiating: Early awareness and isolated experiments; AI is ad hoc and individual-led
- Band 2 – Developing: Foundational capabilities forming; some pilots and basic data practices in place
- Band 3 – Defined: Standardised, documented AI processes consistently applied across functions
- Band 4 – Managed: Data-driven, performance-linked AI; outcomes tracked and actively optimised
- Band 5 – Intelligent: Autonomous, self-optimising operations; AI is embedded and future-ready

METHODOLOGY

- LEAD Framework – a cyclical four-step journey: Learn, Evaluate, Architect, Deliver
- TIER Framework – guiding principles identifying where AI adoption delivers the greatest impact
- Assessment Matrix – the six-band, 20-dimension scoring model above
- Prioritisation Matrix – weighs cost impact, critical business KPIs, and best-in-class proximity to rank the highest-value next moves

THE OFFICIAL AIMRI ASSESSMENT PROCESS

A typical assessment runs 2–3 days on-site, coordinated end-to-end by a Certified AIMRI Assessor, in three phases:

Phase 1 · Learn – Plan & Prepare (2–4 weeks before · ~3 hours)

- Introduction to the AIMRI framework and scope clarification
- Fine-tuning the assessment plan and timeline
- Data request submitted and reviewed a week before on-site
- Pre-assessment session on building blocks and dimensions

Phase 2 · Evaluate – On-Site Evaluation (over ~2 weeks · 1.5–2.5 days on-site)

- Factory walkthrough to observe and validate AI-related activity
- Evidence-based scoring of each dimension via the Assessment Matrix
- Prioritisation Matrix exercise aligning readiness to business goals

Phase 3 · Architect & Deliver – Debriefing & Roadmap (~3 hours · report & debrief)

- Report generated using AIMRI Portal tools
- Leadership debrief: maturity score, prioritised dimensions, insights
- Strategic recommendations to accelerate AI transformation
- Re-assessment option to track measurable progress over time

OUTPUTS OF AN OFFICIAL AIMRI ASSESSMENT

- Maturity score by dimension, across all 20 dimensions
- Prioritisation Matrix, ranking dimensions by cost impact, business KPIs, and distance from best-in-class
- 3B Best-in-Class Benchmark – positioning the organisation as Best-in-Class, Broad Middle, or Bottom
- Assessor notes across all 20 dimensions
- Mapping of AI maturity improvements to bottom-line financial impact
- Business objectives ranking, evaluated by influence on profitability
- Targeted recommendations for improvement
- AIMRI Star Emblem – valid for two years from the date of assessment

BECOMING A CERTIFIED AIMRI ASSESSOR

- Enrol in the Certified AIMRI Assessor training course through an approved training organisation and complete the required 40 learning hours of in-class coursework.
- Upon completing the training course, apply for the Certified AIMRI Assessor examination through an approved training organisation.
- After successfully passing the examination, the candidate is officially a Certified AIMRI Assessor. They then take part in an orientation programme and gain access to the AIMRI Portal to begin conducting Official AIMRI Assessments.