

AI Asterion | CrewOptix

Workforce Optimisation — Deployment,
Competency & Productivity Intelligence

Your largest cost, finally under analytical control.



EXECUTIVE SUMMARY

CrewOptix brings contractor and direct workforce deployment, competency tracking and productivity analytics into one platform — turning workforce cost into a measured, managed variable.



Contractors are deployed on time-based rates with little visibility of the output actually delivered.



Competency gaps can stay hidden until an audit or a safety event exposes them.



Manual, reactive scheduling drives avoidable overtime, conflict and cost.



CrewOptix replaces the blind spots with demand-driven planning and real-time analytics.



Right crew, right competency, right shift.



WHAT CREWOPTIX ENABLES

1

Demand-driven workforce planning across shifts, sites and project phases

2

Automated scheduling with conflict detection and availability checks

3

Centralised competency and certification tracking with expiry alerts

4

Output-based productivity measurement beyond time-billing

5

Structured contractor onboarding, compliance and performance tracking

6

Workforce cost visibility and forward-looking forecasting



TYPICAL OUTCOMES



Workforce cost reduced without cutting operational output



Competency risks caught before audits or incidents



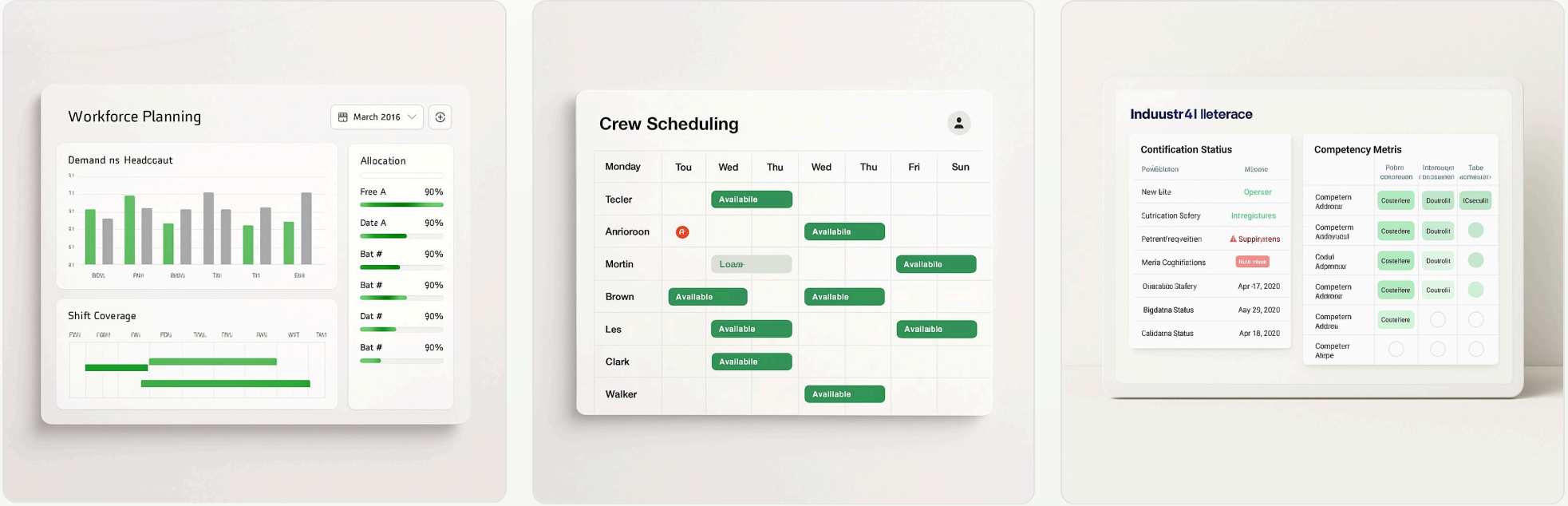
Overtime and scheduling conflict brought down



Contractor spend matched to output delivered

Six Integrated Capabilities. One Workforce Platform.

Labour is one of the largest controllable costs in asset-intensive operations — yet often the least analysed. CrewOptix turns each workforce activity into a clear operational decision.



- 1 Planning & Demand
- 2 Deployment & Scheduling
- 3 Competency & Certification

CAPABILITY

1 

Workforce Planning & Demand Modelling

Aligns headcount to operational requirements across shifts, sites and project phases

DECISION ENABLED

→ Do we have the right headcount for the work ahead?

CAPABILITY

2 

Deployment & Scheduling

Automated scheduling with conflict detection, availability checks and optimisation against priorities

DECISION ENABLED

→ Who works where, and when — without conflicts?

CAPABILITY

3 

Competency & Certification Management

Centralised qualifications, certifications and training with expiry alerts and gap analysis

DECISION ENABLED

→ Is every worker qualified for the task assigned?

CAPABILITY

4 

Productivity Analytics

Output-based measurement that quantifies workforce contribution beyond hours billed

DECISION ENABLED

→ What output are we getting for the hours we pay?

CAPABILITY

5 

Contractor Management

Structured onboarding, compliance verification and performance tracking across providers

DECISION ENABLED

→ Are our service providers compliant and performing?

CAPABILITY

6 

Cost Analytics & Forecasting

Workforce cost by site, project, contractor and role, with forward budget forecasting

DECISION ENABLED

→ What will the workforce cost — and how do we control it?

 BUILT ON INTERNATIONAL FRAMEWORKS

 ISO 30400 — HR management vocabulary

 ILO labour standards

 PMBOK project management

 Auditable competency records

Built for Leaders. Connected Across the Suite.

CrewOptix gives every workforce stakeholder one real-time picture — and feeds that intelligence to the rest of the Asterion operating layer.

20%

typical workforce-cost reduction target, without impacting output

6

integrated capabilities on one platform

1

single, real-time workforce picture

BUILT FOR WORKFORCE LEADERS

-  Workforce Manager — plans and deploys crews across sites, shifts and projects with real-time visibility.
-  HR / People Manager — tracks competencies, certifications and training completion across the workforce.
-  Project Manager — monitors workforce productivity and cost against project baselines.
-  Finance Director — accesses workforce cost analytics and forecasting for budget planning.





CONNECTED ACROSS THE ASTERION SUITE



TurnSure draws on crew availability and competency for shutdown resourcing



Workforce diversity and training data feed ESG Beacon social reporting



SHREQ360 safety competency requirements inform deployment decisions

Start With a Workforce Diagnostic.

Every CrewOptix engagement begins with a structured assessment of your deployment practices, productivity visibility and competency management maturity.



From Blind Spots to Baseline



SECTOR-SPECIFIC

 Calibrated to your industry

 Tuned to your workforce mix

 Matched to your operating environment



WORKFORCE BASELINE

 Productivity gaps made visible

 Competency and certification risks surfaced

 Cost exposure quantified



CLEAR ROADMAP

 Defined deployment plan from day one

 No ambiguity, no wasted time

 Milestones tied to measurable value



TURN YOUR LARGEST UNANALYSED VARIABLE INTO YOUR MOST CONTROLLABLE ONE.



Scan to explore CrewOptix online →

<https://aiasterion.com/modules/crewoptix.html>

