

GLC IEDSS

Give Your Industrial Engineers Back Their Time

Reducing routine workload. Multiplying improvement impact.

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THE PROBLEM

Your best engineering minds are doing clerical work

Ask any IE department where the hours in a study actually go, and the honest answer is rarely “analysis.” It's recording, calculating, formatting, and re-formatting the same data into five different documents.



Manual data entry

Every element re-typed into a fresh template, study after study.



Repeated calculations

Cycle time, allowances, and ratings worked out by hand, every time.



Duplicate documentation

The same observation re-keyed into SOP, VSM, and Yamazumi separately.



The result

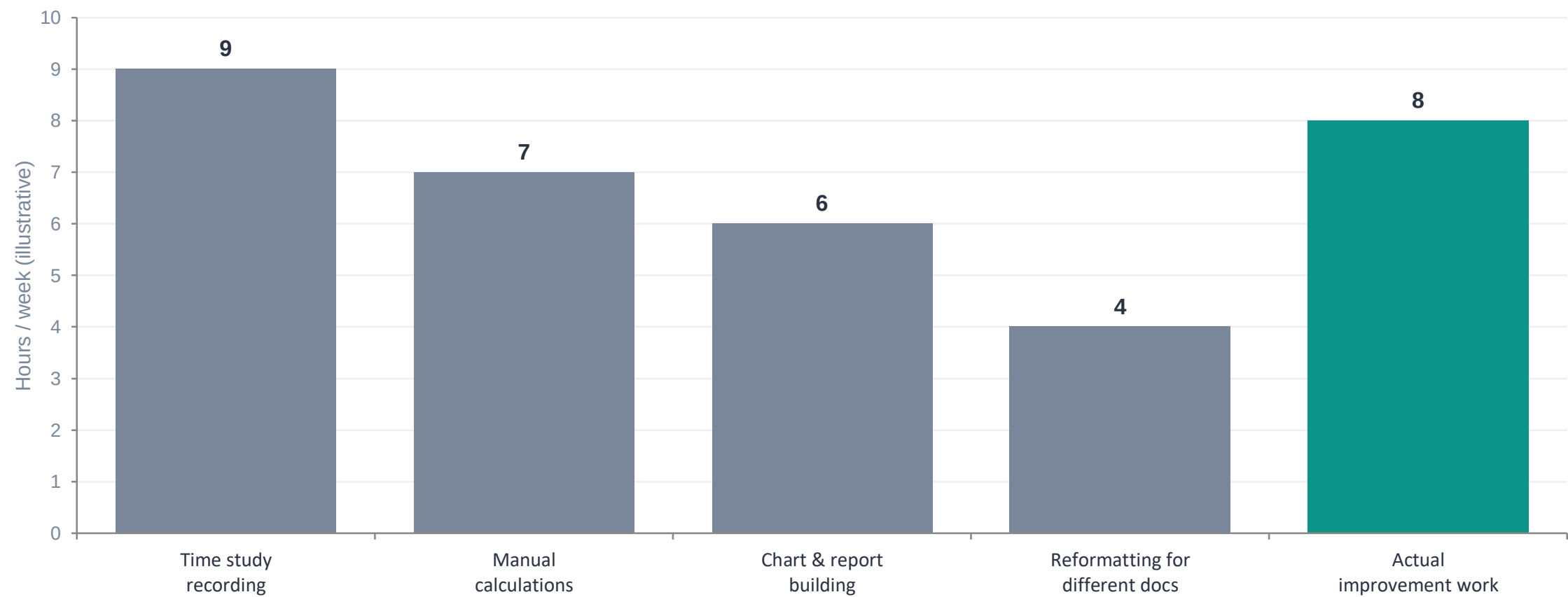
Studies that took days to build sit unused within a quarter — because updating them takes almost as long as making them.

Meanwhile the actual improvement work — the reason the IE function exists — waits its turn.

THE BREAKDOWN

Where a typical IE's week actually goes

Illustrative split based on common shop-floor experience — swap in your own plant's numbers for the live pitch.



When an experienced engineer leaves, their judgment leaves too



Knowledge walks out the door

The specific reasoning behind a station's standard — why this method, why this allowance — lived in one person's head, not in a system.



Studies become static documents

Without a system enforcing the logic, a time study is a one-time snapshot — not a living driver of continuous improvement.



Data is plentiful. Engineering logic is not.

Manufacturing plants collect massive amounts of time and motion data — the gap is applying consistent engineering logic to it, every single time, regardless of who's running the study.

Introducing GLC IEDSS

An Industrial Engineering Decision Support System, built specifically for production operations.



Moves beyond data entry

Active engineering analysis, not just a place to store numbers.



Captures and challenges activity

Turns raw observations into standardized engineering knowledge.



Guides cross-functional teams

A structured framework that leads teams to the right decision — not just a form to fill.

One structured study. The full documentation set.



Single Source Study

One station-by-station production study, captured once through a guided workflow — not five separate exercises.



AUTO-GENERATED, CROSS-LINKED

- ✓ Bottleneck & Buffer Analysis
- ✓ Motion Waste (MTM) Study
- ✓ Engineering Review Board Decisions
- ✓ Yamazumi & Line Balance Charts
- ✓ IE Value Stream Map
- ✓ Standard Work & OPL Visuals

All cross linked from a single source of truth — no re keying, no separate exercise.

Software that asks the right questions



Not just a spreadsheet

Replaces blank templates with a guided engineering workflow — the system prompts for what a template alone can't enforce.



Cross-functional review

Identifies exact process ownership — e.g., is maintenance or production responsible for this delay?



No re-keying between docs

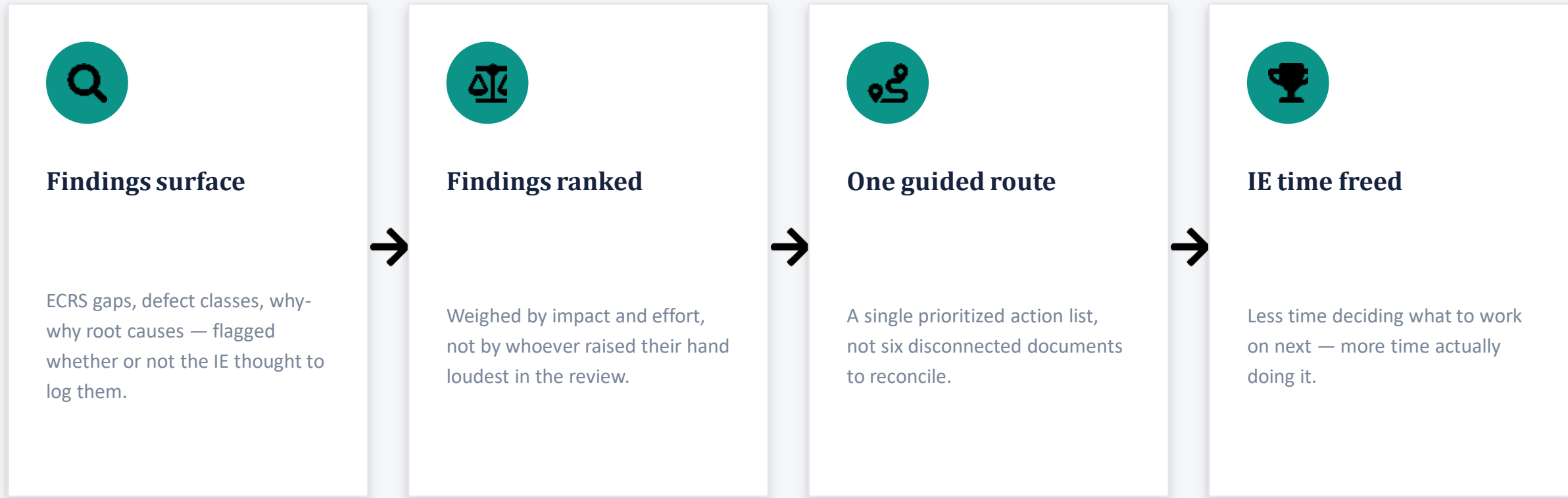


This is where the IE's time comes back

When the system enforces the questioning discipline, the IE isn't spending judgment on “did I remember to check ECRS here?” — that's asked automatically. Their judgment goes into deciding the answer, not remembering to ask.

The Priority Engine ranks findings into one action plan

Every ECRS opportunity, defect class, and root cause the study surfaces is ranked — so the IE opens one guided implementation route instead of triaging a spreadsheet.



Traditional time study vs. GLC IEDSS

TRADITIONAL METHOD

- ❌ Blank templates, inconsistent structure study to study
- ❌ Charts and SOPs built by hand, separately, each time
- ❌ Engineering logic depends on who's running the study
- ❌ Findings live in one person's notes, not the system
- ❌ Knowledge walks out the door when that person leaves

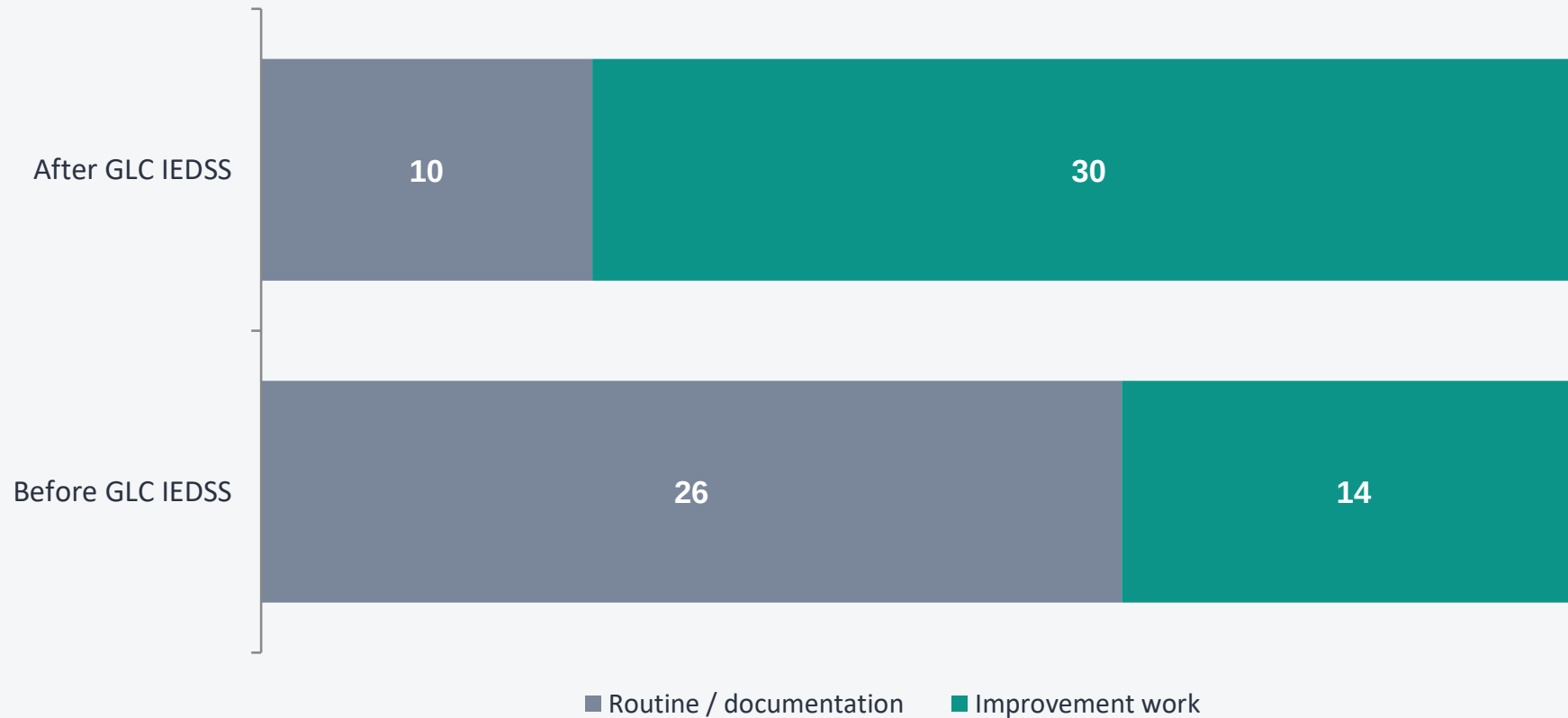
GLC IEDSS

- ✅ Guided workflow enforces the same rigor, every study
- ✅ Charts and SOPs generated automatically, cross-linked
- ✅ Engineering logic is built into the system, not one head
- ✅ Every finding captured and ranked, visible to the team
- ✅ Institutional knowledge stays with the plant, not the person

THE PAYOFF

The same 40 hours, spent differently

Illustrative reallocation — the routine-work hours don't disappear, they move to the work only an engineer can do.



Built for the reality of the shop floor



Manufacturing & Assembly

CNC, VMC, cell manufacturing, manual and semi-automatic assembly.



Quality & Logistics

In-process inspection, rework, milk runs, and FIFO line feeding.



Operator Factors

Walking, searching, waiting, fatigue, and ergonomics — captured, not ignored.



One Guiding Principle

If an activity directly affects production operations, the system analyzes it.

The same IE's Tuesday, before and after

BEFORE

- 9:00** ● Collect stopwatch data at 3 stations
- 11:00** ● Manually calculate cycle times & allowances
- 12:30** ● Build Yamazumi chart by hand in Excel
- 2:00** ● Re-key same data into SOP document
- 3:30** ● Re-key again into VSM update
- 5:00** ● No time left for the kaizen he'd planned

AFTER

- 9:00** ● Run the guided study once at 3 stations
- 10:15** ● System auto-generates SOP, VSM, Yamazumi
- 10:45** ● Review Priority Engine's ranked findings
- 11:15** ● Walk the floor with maintenance on top finding
- 1:00** ● Lead the kaizen event he'd planned
- 4:00** ● Document the kaizen — same guided workflow

What this means on your P&L and your floor



More improvement projects completed per year

The same headcount, redirected from documentation to execution.



Consistent standard work across every line

Not dependent on which engineer happened to run which study.



Lower dependency on any one person's tribal knowledge

The system carries the logic forward, even through attrition.



Faster turnaround from observation to action

Findings are ranked and actionable the same day, not weeks later.

What this means for the engineer doing the work



Hours back, every study

Less time re-keying the same observation into five documents.



Judgment spent on decisions, not memory

The system asks the checklist questions — you answer the hard ones.



Room to grow into higher-value analysis

Time freed for root-cause work and kaizen leadership, not just data entry.



Your studies get used, not shelved

Because updating them is as easy as running them the first time.

Frictionless deployment. Predictable cost.



Perpetual license

Lifetime access for the version you purchase.



Zero recurring costs

No annual renewal fees, no subscription fees.



Secure & independent

Hardware-locked to a single computer; no internet needed for normal use.



Clear boundaries

Complements — doesn't replace — your ERP, PLM, or HR systems.

Frameworks built by domain experts

34+

years of hands-on
industrial and consulting
experience

Built by professionals who understand the difference between theoretical capacity and actual shop floor throughput.



"The operator is the domain expert; we provide the framework."

Our philosophy, in one line.

NEXT STEPS

See it run on your own production data



Let us run a sample production study through GLC IEDSS

Bring one station from your own line. We'll capture the study together and show you the full output set — SOP, VSM, Yamazumi, and ranked findings — generated live, on the spot.

No commitment — just a working demonstration on data you recognize.

GET IN TOUCH



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