Darbury
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PRE-RELEASE

IFC Analyser

THE PROBLEM

An IFC Model Either Carries the Information You Need or It Doesn't and the Geometry Won't Tell You Which

A model turns up at handover looking fine on screen because geometry almost always does. What a 3D view won't show you is whether elements carry a classification, whether property sets are populated, whether the model is georeferenced or how much of it has been dumped into IfcBuildingElementProxy. Nobody finds out until someone tries to build an asset register, and by then the authoring team has moved on & every correction costs many times what it would have at export.

KEY BENEFITS

- A single 0-100 data quality score, by severity
- 8 gap rules covering classification, property sets, units, georeferencing & proxies
- AI verdict defining problems from genuine element-by-element rework
- 3D viewer alongside the report, click an element & see what it really carries
- Gap report exports to xlsx, punch list ready
- Parsed in your browser & never uploaded to the cloud

HOW IT WORKS

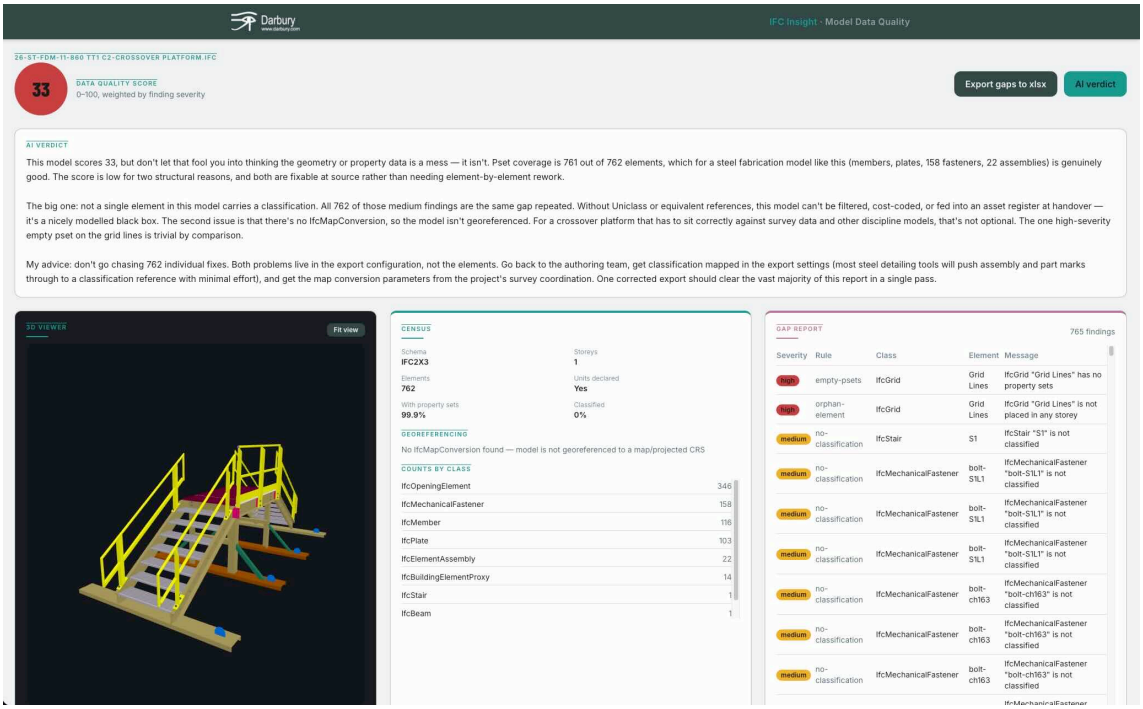
Drop an IFC file onto the page and it is parsed in the browser using web-ifc, so the model never leaves your machine. IFC Analyser builds a census of what is really in there, schema, storeys, element counts by class, property set coverage, units & georeferencing, then runs it against eight quality rules covering missing names & tags, empty property sets, missing classification, orphan elements, absent manufacturer data, proxy overuse & no map conversion. Findings are weighted by severity into a single 0-100 score. A 3D viewer sits alongside the report so you can click any element & read its real properties and Claude AI writes the verdict, telling you where the fixes are needed.

INDUSTRIES & USE CASES

Oil & Gas | Process Industries | EPC Contracting | Handover Deliverables | Asset Information Management

TECHNOLOGY STACK

Next.JS | Claude AI | web-ifc



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