Enspekt

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ENSPEKT DRAWING TAKE-OFF

From the drawing to the material list.

Upload isometrics and P&IDs as PDF or DXF, CAD or scanned. Enspekt Drawing Reader reads every sheet on Enspekt's own servers in the EU, and the rows land in the project's take-off with the sheet they came from.

- PDF and DXF, CAD output, plots and scans
- 500 sheets read a month, more in monthly packs
- Released lines become purchase requests

Count the material once, from the source.

A take-off typed from drawings by hand is slow and hard to check. Here each sheet is read on its own, every row keeps its drawing and sheet number, rows the reader was unsure of are marked for review, and your piping classes fill in what a drawing does not print.

Every row traceable

Drawing number, sheet and line come with each row, so a quantity can be checked against the sheet it was read from.

Reviewed before it counts

Rows arrive as drafts; uncertain text from a scan is flagged, and nothing is added until the reviewer imports it.

Straight to purchasing

Released lines are requisitioned as purchase requests, and the project keeps a priced estimate of the take-off.

What's included

Drawing Take-off: one module, everything below

Enspekt Drawing Reader

Reads material tables from PDF and DXF sheets, text from scans and plotted lettering, one sheet at a time. Nothing is sent to an outside service.

Piping classes

Your classes (A1A, CS 150# and so on) supply wall, material and standard by size range; a class can be drafted from the drawings that use it.

Commodities

Each purchasable item once, linked to your item master, so every take-off line of it can be bought.

DXF block maps

Name what each CAD block means once, and the blocks placed in a DXF become take-off rows next to its table.

Tag register

Instrument, valve and equipment tags read from P&IDs go into the project's tag register, each tag once.

Spreadsheet and PCF import

A template for take-offs kept elsewhere, and PCF files from your piping design tool.

Estimate and RFQ

Price the take-off for a project estimate, and draft requests for quotation by package straight from it.

Sheets included

500 sheets read a month, CAD or scanned. Packs of 500, 2,000 or 5,000 more sheets a month can be added from Settings.



HOW IT WORKS / 03

From an upload to a purchase request.

Upload
PDF or DXF, up to 200 sheets

Read
Sheet by sheet, in the EU

Review
Marked rows checked

Complete
Classes fill the gaps

Release
Quantities frozen

Requisition
Purchase requests

Sheet by sheet

A many-sheet file is read one sheet at a time, so a sheet that cannot be read does not hold up the others.

A clear monthly allowance

Members see how many sheets are left before they upload; a drawing larger than what is left is not read, never charged extra.

Granted per member

Seeing a project does not show its take-off: Drawing Take-off is granted on its own, and its prices with it.

Lines with a state

Draft, released and requisitioned: a released line is frozen, and only a draft can be deleted.

Your drawings stay with you

Read on Enspekt's own servers in the EU; the files are stored with the project like any other document.

Help Center guide

How to upload, review, complete with classes, release and requisition, and what a sheet allowance counts.

BUILT FOR Piping engineer · Estimator · Project engineer · Buyer

Enspekt

PART OF ONE PLATFORM

Works with the rest of Enspekt.

The take-off sits inside a project and hands its material to purchasing.

SUPPLY CHAIN
Released lines become purchase requests, and requests go out for quotation and on to purchase orders.

WAREHOUSE
Commodities are items of your item master, so what is bought for a project is received and stocked like any other item.

MANAGEMENT & GOVERNANCE
Every take-off belongs to a project in Projects Basic, which comes with every bundle.

ON EVERY ENSPEKT WORKSPACE

- Offline-first field app
- Reports & analytics
- Complete audit trail
- Role & module permissions
- Multi-factor sign-in
- English & Arabic

See Drawing Take-off in your workflow.

Book a demonstration built around your own processes, or create a workspace and switch the Drawing Take-off bundle on.

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Bundle contents as sold on enspekt.com in November 2026. Features marked beta may change.