

SOFTWARE

DigiTwin

Advanced object recognition software for drawing digitisation and automated parts counts and material take off.

DigiTwin is used to digitise drawings, carry out parts counts, and material take offs on piping and instrumentation diagrams (P&IDs), Process Flow Diagrams (PFD's) for the purpose of QRA or costing a project. The software reads single or batches of P&ID drawings, and outputs parts counts, types, quantity, sizes and line IDs for each item. Drawings are processed in tens of seconds rather than hours and the results are accurate, repeatable and an order of magnitude less in cost. More detailed information means better quantification of risk for risk practitioners, and more accurate and profitable projects for EPC.

DigiTwin is indispensable within following industries:

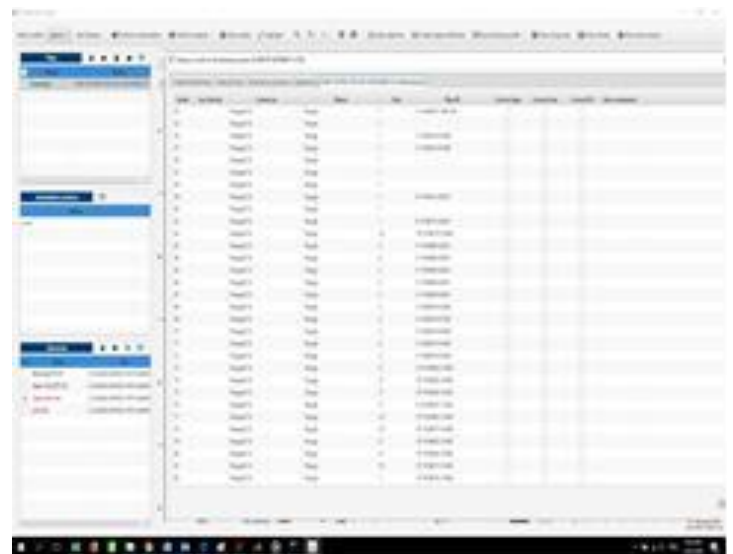
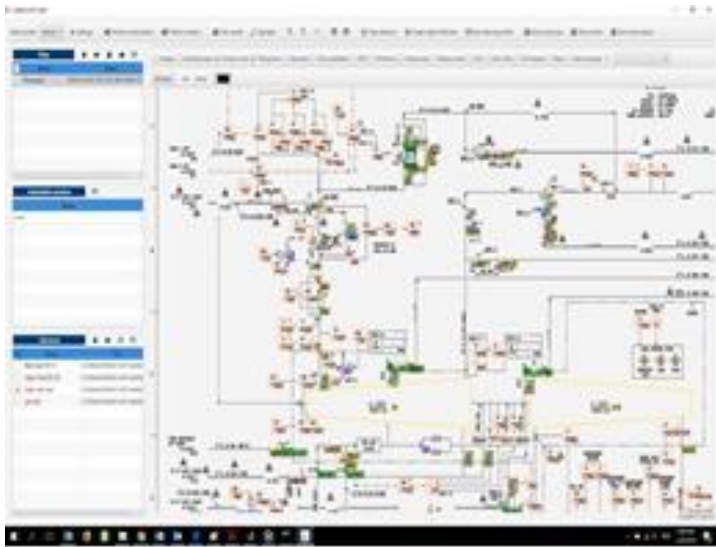
- Oil and Gas offshore and onshore operators
- Safety and Risk Consultancies
- EPC contractors
- Insurance Risk Assessors
- Digitisation Efforts

DigiTwin is User Friendly:

- Extensive and fully customisable libraries where users can define any object to add to the library
- Outputs results in excel format, and a marked-up drawing.
- Consistent Windows™ look-and-feel
- Dedicated online support and helpdesk

ADVANTAGES

- Detailed information in P&IDs sizes and line ID's detected and recorded
- A drawing is analysed in tens of seconds instead of an hour-a-drawing manually.
- Enables more effective preparation of bids by EPC companies
- Constant software upgrades supported by real consultancy and explosion modelling experience
- Enables for real cost reduction in safety studies and estimation
- The most cost-effective way for carrying out a QRA
- The most cost-effective way for ensuring safe design and safety driven modifications



It's simple. Load a drawing, a P&ID, a PFD or an entire batch, click a button and run a parts count, or digitise the information. Output the data to excel and pdf.

A manual parts count, material take-off or manual data digitisation is onerous and very expensive. DigiTwin is faster- cheaper- Better (yes all three!) : tens of seconds instead of an hour per drawing.

Applications of DigiTwin

DigiTwin is revolutionising the parts count and estimation industry. It is used to calculate the number of parts, their sizes and line identifiers. Most common uses of the software are for:

- QRA
- Estimation for contractors and EPCs
- HAZOP/HAZID
- Maintenance planning
- Safety case preparation
- Compliance