

# Cad-Capture AssetXtractor data and tag extraction solution

Capture, collate, correct and validate assets from multiple document types. Includes a wide range of specific features to enhance extraction capability and accuracy for CAD files.

CAD drawings often hold highly complex and valuable information. The challenge is locating, extracting and validating the information from CAD files to utilise its full potential. AssetXtractor effortlessly captures and categorises the information from your files and stores it in a structured database; making it easy to access and use in a variety of different ways.

AssetXtractor (AX) is one of the three component parts of Cad-Capture's Asset Information Management (AIM) Suite Solution. CaptureFlow and HotSpots complete the suite and together provide Asset Centric Navigation (ACN) across drawings and documents. This solution is ideal for any industry relying on the location of assets within CAD files and asset related information across a variety of documents and systems. The AssetXtractor tool is essential to the activation of HotSpots; identifying and highlighting the value of your CAD and PDF files.

## Flexible to meet your needs

AssetXtractor learns the significance and categorisation of specific assets through a user defined asset master list. In addition, the use of AI makes it possible to recognise tags in context to shapes and objects.

Using pattern recognition, AX is able to parse through hundreds of files at a time and capture the relevant data. AX adapts to information changes and file re-works. It works to correct and overcome asset tag errors, and OCR inconsistencies, at a meta data level.

## SUMMARY

*Cad-Capture AssetXtractor is a data extraction tool for CAD and PDF files. Capable of adding context and storing text and co-ordinates from defined blocks or simple text strings. Bespoke plugins can be designed to meet specific needs in addition to the base functionality.*

## HIGHLIGHTS

- Automatic asset recognition
- Asset master list validation
- Asset master list creation
- Machine Learning
- Artificial Intelligence (AI)

## BENEFITS

- Search through hundreds of drawings at a time
- Eliminate the need for manual recognition and capture
- Machine learning makes managing changes quick and easy

## Asset Centric Navigation with AssetXtractor and Cad-Capture HotSpots

AssetXtractor (AX) automatically identifies asset tags in drawings and documents. HotSpots are specified with pattern recognition and can be corrected and altered using AX where needed. AssetXtractor captures, categorises and corrects tags (at a meta data level) on native CAD files and searchable PDFs; without the need to make any changes to the original file.

## Bespoke CAD plugins to suit your needs

We also offer bespoke CAD plugins for AssetXtractor (AX) to capture tags otherwise un-identifiable. Examples of this include objects within symbols or tags over multiple lines.

AX can find and extract multiple assets in a single location and store them as separate assets, for example assets separated by a slash or a range of assets separated by a hyphen, e.g. V-100A-F will store V-100A, V-100B, V-100C etc.

*AssetXtractor utilises AI to auto-identify asset tags and other data*

## AssetXtractor QA ensures quality standards are met

AssetXtractor QA (AXQA) adds a validation step into the extraction process, after the tags have been captured.

A detailed QA for complex drawings is available - however bulk/batch approval is possible for speed and efficiency.

Machine learning allows you to manage by exception. Taking previous results to automatically approve tags on the master list, the process can be quick and easy, whilst ensuring maximum levels of quality.

This process updates your master list, which can later be used as a 'source of truth' to validate records in other systems, such as ERP, SAP or Asset Management etc.

AXQA introduces 'Major Equipment' to the Cad-Capture AIM Suite, which creates highly filtered, relevant search results. Major Equipment is used to significantly reduce the time spent finding the correct drawing or document to open in

your ECM. Merged with custom searches - this can dramatically improve search and retrieval efficiency.

