

# AUTOMATIC DRAWING RECOGNITION

## Transforming CAD Files Into ESRI Data Models

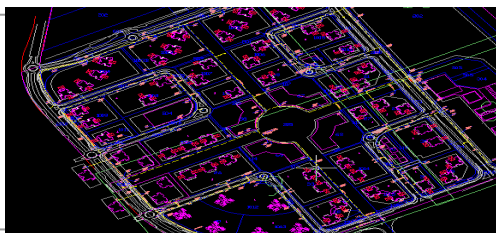
The ADR (Automatic Drawing Recognition) generates GIS databases automatically. The need for the manual processing of CAD drawings is eliminated. Using the ADR, users can now tap into their vast CAD data repositories to create numerous GIS applications.

The ADR software comprises a suite of tools which translate data from CAD drawings files into a Geospatial database. Configuration of the ADR's interpretation-rules defines the outputs.

The depth of the ADR analysis and conversion are user-defined and may range from simple space recognition to the analysis of connectivity within complex structures (hospitals, military installations, corporate campuses etc.) of both indoor and outdoor infrastructure (mechanical, power, plumbing, IT and more). When converting drawings, the ADR automatically validates designs for compliance with in-house and industry rules and regulations.

## ADR Value Proposition

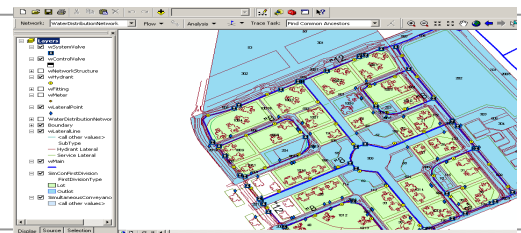
- Convert DWG files into ESRI geodatabases .
- Translate CAD data structures into a topologically-correct GIS data model. Turn polylines into room outlines or utility networks.
- Automate CAD drawing translation in batch mode. Reduce manual work.
- Validate data content and quality before saving it into the geodatabase.
- Populate your own corporate standard schemas or industry standards such as the BISDM and pipeline data models.
- Update data through simple changes to CAD drawings
- Validate drawings against predefined rules/standards.



“Flat” DWG file



ESRI data Model



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