CAD and GIS: Connecting Two Worlds
Agenda

- GIS vs CAD
- How to Convert GIS to CAD
- Creating AutoCAD Layouts
  - Live Demo
GIS vs CAD
## GIS vs CAD

<table>
<thead>
<tr>
<th>GIS</th>
<th>CAD</th>
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<tbody>
<tr>
<td>• Mapping &amp; analyzing geographic features</td>
<td>• Design &amp; drawing</td>
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<tr>
<td>• Dynamic</td>
<td>• Static &amp; concrete</td>
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<td>• Esri Shapefile, Esri Geodatabase, GML</td>
<td>• AutoCAD DWG, Microstation DGN</td>
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Converting GIS to CAD

• Convert GIS structures into complex CAD geometries
• GIS attributes -> CAD annotations & symbology
• Labelling
• Styling
Labelling in FME
Styling in FME
Creating AutoCAD Layouts

• New: Write AutoCAD Viewports in FME
  • Automates layout production
• Requires template file with blank viewports and block definition
A layout created in FME
Demo: Create CAD layouts from grid layer
A single AutoCAD block plus an FME workspace replaces hours of manual editing.
• GIS and CAD store data differently — labels, symbology, annotations.
• FME can handle conversions between GIS and CAD formats.
• New ability to write AutoCAD layouts automates layout production.
Resources

- fme.ly/ebook
  - The Ultimate Guide to CAD & GIS
Thank you!

Questions?