



INTRODUCTION

HandToCAD is an independent Multidisciplinary AutoCAD and Revit Outsourcing Production Office in Raleigh, NC.

We provide Building Services, Mechanical, Electrical, Plumbing, Fire, Hydraulic, Architectural and Civil AutoCAD drafting & Revit modelling support for International Design and Engineering Consultants.

Contents

- **About Us**
- **Advantages**
- **Experience**
- **Services**
- **Working with Us**
- **Our Pricing**
- **Contact Details**

Highly skilled CAD Technicians, Engineers, Architects and our 15+ proven experience make Raleigh an attractive Choice. Also, our proven and precise outsourcing CAD Drafting Services can also help to assist all of your conversion needs.



"HandToCAD -Serving Drafting

Services globally since 2002"



HandtoCAD provides, High Quality, Cost Effective, Flexible and Precision CAD Drafting Services.

Our offices in Raleigh, NC USA and India provide 2D AutoCAD drafting and fully coordinated 3D Revit modelling services.

We also offer MANY other CAD Services listed below.

1) General CAD Drawing Production

- **Highest Quality** 2D drafting and 3D Revit modelling services
- **Cost Effective** highly experienced staff always available
- **Fast Turnaround** with most packages completed overnight
- **Flexible & Reliable** to meet your project specific demands
- **Simple & Secure** in the way we integrate into your business
- **Value Driven** quality assured drafting services on time within budget

2) Complete CAD Project Management

- **Drawing Setup** - Titleblocks, sheets, layers, blocks (families), external references, viewports, matchlines, numbering and drawing titles all managed by HandToCAD.
- **Quality Assurance** - Procedures are coordinated by our Quality Assurance Manager John Kelly . HandToCAD documentation ensures the successful flow of information both in-house and between Clie

“We are capable of converting nearly every medium to CAD”





Expenditure and Flexibility

- Save 60% on your In-house AutoCAD and Revit Costs
- Fixed Competitive Hourly Rate
- Flexibility to pay for manpower whenever required
- Pay for Draftsmen only when you need them
- Pay only for Man Hours used
- Never Pay Overtime Rates Again
- No Costly Recruitment Costs

Office Overheads

- No Costly Annual Software Subscriptions
- No Annual Computer Hardware Upgrades or Maintenance
- Lower Office Energy Consumption Cost
- Vast Reduction in Paper Usage
- Huge Savings in Printer Consumable Costs

Meet Critical Deadlines

- Utilize the advantage of time zone difference, resulting in a 24 hour service
- Reduced turnaround time for projects

CAD Standards

- British, U.S and Australian CAD Standards
- Degree Qualified CAD Technicians
- Highly Proficient with CAD Software
- Quality Checks Performed by HandToCAD





HandToCAD have extensive experience with large scale, fast turnaround projects in Asia, Australia, Canada, Europe, Middle East, New Zealand, UK & USA.

Some of GIS/CAD Conversion & Drafting Services:

- Hand sketch to CAD conversion / AutoCAD Drafting
- Paper to CAD / PDF to CAD / Raster to vector conversion
- CAD Facility management / HVAC Plan / Fire Plans
- Survey drafting / Architectural Drafting
- Topographic Survey drafting / Topographic Mapping
- GIS Data conversion / Cadastral Mapping
- Utility Mapping / Zoning Mapping / Parcel Mapping
- 3D visualization Services (Exterior / Interior / 3d Floor Plan)
- 3d Walkthrough Animation / Fly over Animation / 3D Panorama View.
- Solid Works Model Design (Part Model / Tool Design / Jig Fixture)

Project Capabilities include:

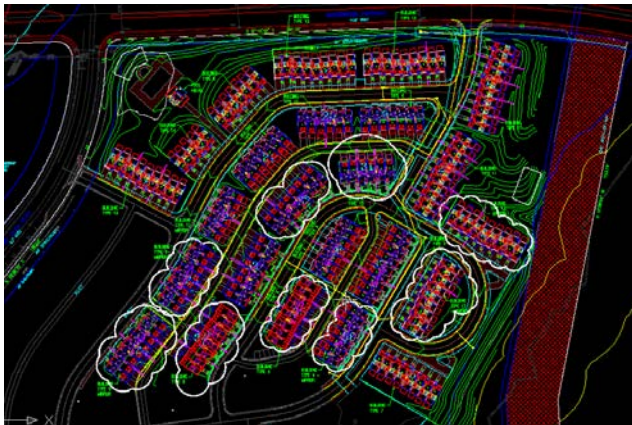
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|----------------|-------------------|------------------|---------------------|----------------|
| • Airports | • Commercial | • Heritage | • Laboratories | • Storm water |
| • Banks | • Data Centers | • Highways | • Leisure | • Supermarkets |
| • Bridges | • Earthworks | • Hospitals | • Local Council | • Survey Data |
| • Casinos | • Fitness Centers | • Hotels | • Shopping Malls | • Telecoms |
| • Cell Sites | • Food Outlets | • Housing | • Site Layouts | • Tower Blocks |
| • Chain Stores | • Government | • Industrial | • Sports Facilities | • Tunnels |
| • Clinics | • Healthcare | • Infrastructure | • Stadiums | • University |





Services (Con't)

- AutoCAD drawings & Revit Models created from Engineer's Mark Ups
- CAD Conversion for Architectural, Civil, Structural, Hydraulic, Mechanical, Electrical, Plumbing, Fire, Paper to CAD, Raster to Vector
- Project Management of CAD Projects from Start to Finish
- M&E Combined Services Drawings
- Concept & Scheme Design, Design Intent, Design Development, Tender Drawings, Construction Issue and As Built Record Drawings
- Survey Data CAD Conversion for Plans and Building Elevations



Architectural & Civil

- Lightning Protection
- Luminaire Layouts
- Power
- Schematics / P&ID
- Security
- Substations
- Switch Rooms

Electrical

- Boiler Houses
- CHW, HWS & Gas
- Domestic Water Services / Drainage
- Fire Sprinkler Systems
- Gas Layouts
- Heating Layouts
- HVAC Single and Double line
- Hydraulics
- Plant Rooms
- Public Health and Sanitation
- Schematics / P&ID

Mechanical & Paperwork

- Elevations and Plans
- Infrastructure Layouts
- Flooring / Tiling Layouts
- Sanitary Sewer Systems
- Sections and Details
- Site Plans & Fire Alarms
- Survey Data CAD Conversion
- Underground Utilities Plans
- Data Containment



The transfer of data and effective communication with our clients is very straight forward. The two most popular CAD projects are as follows:

1) From Client mark ups

- Client generates hand mark ups in the usual manner
- The mark ups are scanned (pdf or jpg) and uploaded and sent together with any relevant files simply using your email.

2) For large files

You can send large files of any format via WeTransfer.com. Probably, the simplest undiscovered way to Transfer large files! No directions required!



3) Paper to CAD Conversion

For Existing Paper Drawings or Scans (e.g. Archived As-Built drawings), this is essentially a tracing exercise. The paper copies can be scanned, uploaded and then we create 100% dimensionally accurate in your preferred CAD Drafting Program and format.



Pricing

Please simply send the files that we need to provide a quote. We will respond with a quote within 24 hours. The quoted price is GUARANTEED not be greater than the final price. 50% down payment is required for first time customers. We often recommend these clients to split the projects up into smaller groups or even single sheets, so payments can be made in increments as the converted files are sent separately. Also, we do this so that you, the customer feels less risk knowing they can pay page by page if you so wish.

If you're not completely satisfied, we'll fix it within 24 hours at no additional cost. If you are not 100% satisfied with us, we will credit your account or refund your money. No hassles, no debate. 100% Customer Satisfaction Guaranteed!

When a working relationship has been established, our Clients are happy for us to proceed with drawings immediately, prior to receiving a price quote. This allows us to complete drawings within 24 hours often in order to meet tight deadlines. The quote will be sent with the completed drawings the next day.

Method of Payment

- HandToCAD will send an Invoice as requested
- Monthly invoices will list all works packages completed in that month.
- Payment can be made by Online Bank Transfer / Credit Card or PayPal.

Contact Details

2800 Combe Hill Trl.
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Managing Director: **Michael Herman**

Inida/Asia Partner:

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Office Hours

Monday to Sunday – 24 hours

Eastern Standard Time