

# RESUME

## Christopher Arndt, RCDD Systems Engineer

### RELEVANT PROJECTS

General Motors Corporation  
Sprint/Nextel  
DTW North Terminal Redevelopment

### YEARS OF EXPERIENCE

Twelve

### PROFESSIONAL SOCIETIES

BICSI (Building Industry Consulting Service International, Inc.)

CAM (Construction Association of Michigan)

### EDUCATION/CERTIFICATIONS

Associate of Applied Science,  
- ITT Technical Institute

BICSI Registered Communications Distribution Designer,  
- Building Industry Consulting Service International, Inc.

ABF Design and Estimating,  
- Sumitomo Electric Lightwave Corp.

Leviton Certified Voice & Data Designer,  
- Leviton Manufacturing Company

AFL Certified Fiber Consultant,  
- AFL Telecommunications

Grounding Protection Fundamentals for Telecommunication Systems,  
-BICSI DD120

Cablofil Certified Designer,  
- Cablofil Cable Management

Responsible for the design and costing of Communication Systems Physical Infrastructure required in support of Data, Video, Audio, and/or Structured Cabling Networks. Possesses the technical knowledge to integrate the physical transport network to various products available into complete, cost effective design solutions that meet the project requirements. Responsible for providing technical support during the pre and post sales cycle. Also plays a leadership role within the engineering group regarding technical designs, standards, and industry knowledge and trends.

### Office / Research and Development Labs

**GM Facilities:** Design and engineering for new network physical infrastructure in administration areas. Designs included, but not limited to, network cabinet elevations, electronics, power requirements, equipment placement, cable tray layout, data and voice locations, fiber optic cable sizing, grounding/bonding and routing.

#### General Motors Corporation – Asia-Pacific China HQ and Center for Advanced Research and Science

Shanghai, Peoples Republic of China

Engineering of new network physical infrastructure for Regional Data Center, 8-Story Administration Building, Technical Laboratory Building, and Ten Facility Support Buildings.

#### General Motors Corporation – New Desert Proving Ground Facility

Yuma, AZ

Designed and engineered new network physical infrastructure for New Proving Ground Campus encompassing 73,000 sf Admin/Lab Building and Six Facility Support Buildings.

#### General Motors Corporation – Milford Proving Ground Building 61 Roll-Over Test Facility

Milford, MI

Designed and engineered network physical infrastructure for New Roll Over Test Facility Addition.

#### General Motors Corporation – Milford Proving Ground Data Center Expansion

Milford, MI

Designed and engineered new network physical Infrastructure for 12,000 sf Regional Data Center as part of the Strategic Southeast Michigan Data Center Plan.

**General Motors Corporation – Milford Proving Ground Building 31  
Network Refresh**

Milford, MI

Designed and engineered new network physical Infrastructure for Ten (10) Telecommunications Rooms, and coordinated the decommission of the old physical network.

**General Motors Corporation – Renaissance Center Network Switch  
Upgrade**

Detroit, MI

Designed and engineered new network physical Infrastructure for 7,000 sf Computer Room and 156 Telecommunications Rooms spanning 4 Towers and 39 Levels of occupied area.

**General Motors Corporation – Mesa Desert Proving Ground Network  
Refresh**

Mesa, AZ

**General Motors Corporation – Milford Proving Ground Building 73  
Upgrade**

Milford, MI

**General Motors Corporation – Milford Proving Ground Network Switch  
Replacement for Buildings 32, 70, and 78**

Milford, MI

**General Motors Corporation – Milford Proving Ground Building 124  
Durant Substation**

Milford, MI

**General Motors Corporation – Milford Proving Ground Building 16 Hybrid  
Relocation Project**

Milford, MI

**General Motors Corporation – Milford Proving Ground Building 106  
Wireless Network**

Milford, MI

**General Motors Corporation – Milford Proving Ground Network Upgrade  
for Buildings 8, 10, 11, 72, 16, and 3**

Milford, MI

**General Motors Corporation – Milford Proving Ground Network Upgrade  
for Buildings 24 and 40**

Milford, MI

**General Motors Corporation – Milford Proving Ground Network Upgrade  
for Buildings 41, 42A, 42B, 54, 56, 96, and 19**

Milford, MI

**General Motors Corporation – Milford Proving Ground Network Upgrade  
for Buildings 94, 12, 14A, 44, 101, and 70**

Milford, MI

**Sprint/Nextel – Whirlpool Administration Center RF Design**

Benton Harbor, MI

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## **Manufacturing**

### **General Project Responsibilities**

Design and engineering for new network physical infrastructure in plant floor and administration areas. Designs included, but not limited to, network cabinet elevations, electronics, power requirements, equipment placement, cable tray layout, data and voice locations, fiber optic cable sizing, grounding/bonding and routing.

**General Motors Corporation – Lansing Grand River Assembly Plant**  
Lansing, MI

**General Motors Corporation – Willow Run Powertrain Facility**  
Ypsilanti, MI

**General Motors Corporation – Tonawanda Powertrain Facility**  
Tonawanda, NY

**General Motors Corporation – Windsor Transmission Plant**  
Windsor, ON

**General Motors Corporation – Shreveport Assembly Plant**  
Shreveport, LA

**General Motors Corporation – Saginaw Metal Casting Plant**  
Saginaw, MI

**General Motors Corporation – Oshawa Paint Plant**  
Oshawa, ON

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## **Healthcare**

**Sprint/Nextel – University of Michigan Medical Center RF Design**  
Ann Arbor, MI

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## **Infrastructure**

**DTW North Terminal Redevelopment – Consulting for Contractor Bids**  
Romulus, MI

**Lincoln Airport Authority Network Upgrade – ABF Design and Consulting**  
Lincoln, NE

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## **Professional Experience**

### **Diversified Design Services (2005 - Present)**

#### **Systems Engineer-**

Responsible for the research, design, costing, certifying, and documenting of Communications Systems that require Data, Voice, Video, Audio, and/or Structured Cabling Products for Diversified Design Services. Also provides technical support during the design and implementation process to assure the installation meets all technical requirements and industry standards in the Scope of Work.

### **Motor City Electric Technologies, Inc. (2003-2005)**

#### **Systems Engineer-**

Responsible for the research, design, programming, costing, certifying, and documenting of Communications Systems that require Data, Video, Voice, Audio, and/or Structured Cabling Products for Motor City Electric Technologies Services. Provided the technical expertise to integrate the various products available to Motor City Electric Technologies into complete, cost effective designs and integrated solutions to meet the project requirements and customer expectations. Provided technical support during the design and implementation process to assure the installation meets all technical requirements in the Scope of Work.

### **Clover Technologies, Inc. (1998-2003)**

#### **Systems Engineer-**

Responsible for the research, design, programming, costing, certifying, and documenting of Communications Systems that require Data, Video, Voice, Audio, and/or Structured Cabling Products for Motor City Electric Technologies Services. Provided the technical expertise to integrate the various products available to Motor City Electric Technologies into complete, cost effective designs and integrated solutions to meet the project requirements and customer expectations. Provided technical support during the design and implementation process to assure the installation meets all technical requirements in the Scope of Work.

### **Clover Technologies, Inc. (1996-1998)**

#### **Installation Technician-**

Worked on many various projects installing copper, coax, and fiber optic cabling in a wide range of environments. Included outdoor aerial, underground, and all aspects of indoor cabling. Provided testing and documenting results to the customer and created as-built documentation.

### **United States Navy (1992-1996)**

#### **Interior Communications Electrician 3<sup>rd</sup> Class-**

Installed and maintained various shipboard communications equipment ranging from telephone systems, gyrocompass guidance systems, tactical helicopter guidance systems, engine room gauges/indicators and wind direction indicators.

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## **Professional Registrations**

Member of Building Industry Consulting Service International, Inc. (BICSI)

BICSI Registered Communications Distribution Designer