

G. Michaels Consulting Ltd. and DBDOC

Over 30 years experience providing custom upgrades and retrofits for process control systems across North America has given G. Michaels Consulting Ltd. a unique perspective on the industry. Our flagship product, DBDOC, was developed to address the need for a comprehensive view of disparate system resources in process control systems. Since we created it in 1996, we have continued to improve DBDOC by adding features requested by our customers, and providing support for the complete ABB®/INFI 90® family of systems. The result is a truly high quality, full-featured product, which has garnered an enthusiastic response among DCS system users worldwide.

Our Clients

DBDOC is in active use in a wide variety of industries around the globe. If you are considering DBDOC for your operation, please contact us, we would be happy to put you in touch with DBDOC customers with systems similar to your own. For a list of our clients, visit gmcl.com/clients.

Countries

Australia	Ireland	New Zealand	United Kingdom
Belgium	Jamaica	Pakistan	United States
Brazil	Luxembourg	Papua New Guinea	
Canada	Malaysia	Peru	
China	Netherlands	Taiwan	

Industries

Education (3 sites)	Petrochemical & Chemical (49 sites)
Electrical Generation (211 sites)	Pharmaceuticals (2)
Manufacturing (35 sites)	Pulp and Paper (29 sites)
Mining and Refining (21 sites)	Water (8 sites)

As of 4/18/08

Contact Information

Email: geoff@gmcl.com

Website: gmcl.com

Toll Free: 1-866-438-2101 (US and Canada)

Phone: (780) 438-2101

Fax: (780) 437-3367

Mail: Geoff Michaels, President
G. Michaels Consulting Ltd.
11211 - 76 Ave. NW
Edmonton, Alberta
Canada, T6G 0K2

Contact us for your free, no obligation build!

DBDOC for ABB® INFI90® Systems copyright © 1996 – 2008 by G. Michaels Consulting Ltd. ABB and INFI 90 are registered trademarks of ABB Automation.

5/28/2008

Representative DBDOC References - May 2008

United States

Alyeska Pipeline Service Co, Valdez, AK
BP Alaska Inc., Anchorage, AK
Golden Valley Electric Assoc, Healy Plnt, Fairbanks, AK

Alabama Power Southern Co, Gorgas Plant, Parrish, AL
Alabama Power, Southern Co, Barry Plant, Bucks, AL
Mead Westvaco, Mahrt Mill, Phenix City, AL
Smurfit Stone, Stevenson Mill, Stevenson, AL
Tennessee Valley Authority, Colbert Plnt, Tuscumbia, AL

Domtar Industries, Ashdown, AR

Arizona Public Service Co, Cholla Plant, Joseph City, AZ
Arizona Public Service Co, Ocotillo Plnt, Tempe, AZ
Arizona Public Service Co, Saguaro Plant, Red Rock, AZ
Arizona Public Service Co, West P Plant, Phoenix, AZ
Arizona Public Service Co, Yucca Plant, Yuma, AZ
Dynergy Co, Griffith Energy LLC, Golden Valley, AZ
Pinnacle West Capital Corp, Redhawk Plnt, Arlington, AZ
Salt River Projects, Desert Basin LLC, Casa Grande, AZ

AES Huntington Beach LLC, Huntington Beach, CA
City of LA Bureau of Sanitation, Tillman, Van Nuys, CA
Dynergy, Morro Bay, CA
International Power Technology SRI, Menlo Park, CA
Mirant Corp, Contra Costa Plant, Antioch, CA
Mirant Corp, Pittsburg Power Plant, Pittsburg, CA
NRG El Segundo Operations Inc, El Segundo, CA
San Jose State University, Central Plant, San Jose, CA
Sanitation Dis. of LA County, Commerce, Commerce, CA
Sanitation Dis. Of LA County, Joint Plnt, Carson, CA
Sanitation Dis. Of LA County, Puente, City of Industry, CA
Sanitation Dis. Of LA County, Spadra, Walnut, CA
Sanitation Dis. Of LA County, Valencia, Valencia, CA
United Cogen Inc, San Francisco, CA
Wheelabrator Energy Co, Shasta Plant, Anderson, CA

General Services Admin, Central Plant, Washington, DC

Conectiv Energy, Hay Road Power Complex, Wilmington, DE
NRG, Indian River Generating Station, Dagsboro, DE

City of Tallahassee, Sam O. Purdom Plant, St. Marks, FL
Florida Power & Light Co, Lauderdale Stn, Dania, FL
Gainesville Regional Util, Kelly Station, Gainesville, FL
Invenergy LLC, Hardee Power Plant, Bowling Green, FL
Progress Energy, Anclote Power Plant, Holiday, FL
Progress Energy, Crystal River Comp 1&2, Crystal River, FL
Rinker Materials Corporation, Miami, FL
TECO Energy, Bayside Power Station, Tampa, FL
TECO Energy, Polk Power Station, Mulberry, FL

Georgia Power Company, Brunswick, GA
Georgia Power, Southern Co, McDonough, Smyrna, GA
Georgia Power, Southern Co, Plant Yates, Newnan, GA
International Paper Co, Information Tech, Savannah, GA
Temple Inland, Rome Linerboard Mill, Rome, GA

Hawaiian Electric Co, Kahe Power Plant, Kapolei, HI
Hawaiian Electric Co, Waiiau Power Plant, Pearl City, HI
Hawaiian Electric Co., Honolulu, HI

Ameren UE, Edwards Generating Plant, Bartonville, IL
Ameren UE, Meredosia Power Station, Meredosia, IL
Dominion, Kincaid Power Stn, Kincaid, IL

American Electrical Power, Tanners Creek, Lawrenceburg, IN
ArcelorMittal Indiana Harbor Inc., East Chicago, IN
Bunge, Decatur, IN
Indianapolis P&L Co, Petersburg Station, Petersburg, IN

Kansas City Power & Light Co, La Cygne, LaCygne, KS
Westar Energy, Abilene, KS
Westar Energy, Gordon Evans Energy, Colwich, KS
Westar Energy, Hutchinson Energy Center, Hutchinson, KS
Westar Energy, Jeffrey Energy Center, St. Marys, KS
Westar Energy, Lawrence Energy Center, Lawrence, KS
Westar Energy, Tecumseh Energy Center, Tecumseh, KS

East Kentucky Power Cooperative, Cooper, Somerset, KY
East Kentucky Power, Dale Power Station, Winchester, KY
Tennessee Valley Authority, Paradise Stn, Drakesboro, KY
Western Kentucky Energy, Henderson, KY
Western Kentucky Energy, Coleman Station, Hawesville, KY
Western Kentucky Energy, Green Station, Robards, KY
Western Kentucky Energy, Wilson Station, Centertown, KY

Boise Cascade, P&N DeRiddler Paper Mill, DeRidder, LA
CLECO Corp, Dolet Hills Power Station, Mansfield, LA
CLECO Corp, Evangeline Power Station, St. Landry, LA
CLECO Corp, Pineville General Office, Pineville, LA
CLECO Corp, Rodemacher Power Station, Lena, LA
CLECO Corp, Teche Power Station, Baldwin, LA
ConocoPhillips, Alliance Refinery, Belle Chasse, LA
Dow Chemical Company, Plaquemine, LA
Perryville Power Station, Sterlington, LA

Conectiv Energy, Bayview Peaking Station, Bayview, MD
Conectiv Energy, Crisfield Station, Crisfield, MD
Covanta Energy, Montgomery Inc, Dickerson, MD
St Lawrence Cement, Holcim Inc, Hagerstown, MD

Esoco Orrington Inc, Penobscot Energy, Orrington, ME
Katahdin Paper Co, East Millinocket Mill, East Millinocket, ME

Detroit Edison Co, Harbor Beach Plant, Harbor Beach, MI
Detroit Edison Co, Monroe Plant, Monroe, MI
Detroit Edison Co, River Rouge Plant, River Rouge, MI
Detroit Edison Co, St Clair Plant, East China, MI
Detroit Edison Co, Trenton Channel Plant, Trenton, MI
Detroit Edison Co., Detroit, MI
Marathon Petroleum Co LLC, Michigan Div, Detroit, MI
University of Michigan, Central Plant, Ann Arbor, MI

Covanta Hennepin Energy Resource Co, Minneapolis, MN
Metropolitan Council, Metro Plant, St. Paul, MN

Representative DBDOC References - May 2008

Ameren UE, Labadie Plant, Labadie, MO
Ameren UE, Rush Island Plant, Festus, MO
Ameren UE, Sioux Plant, West Alton, MO
Aquila Power Supply, Lake Road Station, St. Joseph, MO
Assoc Electric Cooperative, Hill Center, Clifton Hill, MO
City Utilities of Springfield, Southwest, Springfield, MO
Kansas City Power & Light Co, Latan Stn, Weston, MO
Kansas City Power & Light Company, Clinton, MO
Kansas City Power and Light Company, Kansas City, MO

Bowater Newsprint Inc, Grenada Operation, Grenada, MS
EKA Chemicals Inc, Columbus, MS
LSP Energy, Batesville Facility, Batesville, MS
Mississippi Power Southern Co, Watson, Gulfport, MS

US Air Force, Malmstrom AFB Heating Plnt, Malmstrom AFB, MT

City of Fayetteville, Butler-Warner Plnt, Fayetteville, NC
CMS Generation Co, Craven Wood Energy LP, New Bern, NC
GlaxoSmithKline, Research Triangle Park, NC

Basin Electric Power, Leland Olds Plant, Stanton, ND
North Dakota State College of Science, Wahpeton, ND

City of Grand Island, Burdick Station, Grand Island, NE
City of Grand Island, Platte Station, Grand Island, NE
Omaha Public Power Dis, Nebraska Stn, Nebraska City, NE
Omaha Public Power Dis, North Omaha Stn, Omaha, NE

DuPont, Chambers Works, Deepwater, NJ
Rockland Capital, BL England Station, Beesley's Point, NJ
Sunoco Chemicals, Eagle Pt Cogeneration, Westville, NJ

Arizona Public Service, Four Corners, Fruitland, NM

Barrick Goldstrike Mines Inc., Elko, NV
Nevada Power, Silverhawk Power Plant, Las Vegas, NV
Newmont Mining Corp, Twin Creeks Site, Golconda, NV
Reliant Energy, Bighorn Power Plant, Primm, NV

Keyspan Energy, Northport Power Station, Northport, NY
National Energy & Gas Transmission, Selkirk, NY
Trigen-Nassau Energy, Garden City, NY

Duke Energy, Miami Fort Station, North Bend, OH
FirstEnergy, Eastlake Plant, Eastlake, OH
Mainthia Technologies Inc, Cleveland, OH
Reliant Energy, Avon Lake Station, Avon Lake, OH

Republic Group, Lawton, OK

Boise Cascade Corp, St. Helens Mill, St. Helens, OR
Georgia Pacific Corp, Halsey Paper Mill, Halsey, OR
Portland General Electric Co, Coyote, Boardman, OR
PPM Energy, Klamath Cogeneration Project, Klamath Falls, OR

Conectiv Energy, Bethlehem Plant, Bethlehem, PA
Constellation Energy, Panther Creek Stn, Nesquehoning, PA
Ebensburg Power Company, Ebensburg, PA
FirstEnergy, Bruce Mansfield Plant, Shippingport, PA
Reliant Energy, Elrama Power Plant, Elrama, PA
Reliant Energy, Shawville Power Plant, Shawville, PA
Wheelabrator Energy Co Falls Inc, Morrisville, PA

AES Puerto Rico, Guayama, PR

Cherokee County Cogeneration Partners LP, Gaffney, SC

SCE&G, A Scana Company, Jenkinsville, SC

Temple-Inland, Waverly, TN

Air Products & Chemicals Inc., La Porte, TX
Albemarle, FCC Plant, Pasadena, TX
Clean Harbors Deer Park, L.P., La Porte, TX
INVISTA, Victoria, TX
Luminant, Tradinghoues Plant, Waco, TX
Luminant, Valley Steam Electric Station, Savoy, TX
NRG Energy, San Jacinto Station, The Woodlands, TX
NRG Texas, LLC, La Porte, TX
NRG, Limestone Generating Station, Jewett, TX
NRG, W.A Parish Generating Station, Thompsons, TX
Reliant Energy, Tech Support Group, Houston, TX
TXU Energy, Sweetwater Steam Station, Sweetwater, TX

Pacficorp, Gadsby Power Plant, Salt Lake City, UT

Dominion, Altavista Power Station, Altavista, VA
Dominion, Bath County Pumped Storage Stn, Warm Springs, VA
Dominion, Chesapeake Power Station, Chesapeake, VA
Dominion, Chesterfield Power Station, Chester, VA
Dominion, Gordonsville Power Station, Gordonsville, VA
Dominion, Hopewell Power Station, Hopewell, VA
Dominion, Innsbrook Engineering Center, Glen Allen, VA
Dominion, Mecklenburg Power Station, Clarksville, VA
Dominion, Possum Point Power Station, Dumfries, VA
Dominion, Southampton Power Station, Franklin, VA
Dominion, Yorktown Plant, Yorktown, VA
Georgia Pacific Corporation, Big Island, VA
International Paper Co, Franklin Mill, Franklin, VA
Upper Occoquan Sewage Authority, Centreville, VA

EKA Akzo Nobel, Moses Lake, WA
University of Washington, Facilities Srv, Seattle, WA

Alliant Energy, Nelson Dewey Station, Cassville, WI
Appleton Coated, Combined Locks Mill, Combined Locks, WI
Green Bay Packaging, Green Bay Mill Div, Green Bay, WI

AEP, Kammer Mitchell Plant, Moundsville, WV
AEP, Philip Sporn Plant, New Haven, WV
Allegheny Energy Supply, Albright Stn, Albright, WV
Dominion, North Branch Power Station, Gormanian, WV

ExxonMobil, Black Canyon, La Barge, WY
ExxonMobil, Shute Creek Facility, Kemmerer, WY
Simplot Phosphates, Rock Springs, WY

Representative DBDOC References - May 2008

Australia

Coregas, Cryogenic Plant, Port Kembla, NSW
Delta Electricity, Munmorah Station, Doyalson, NSW
Delta EMD Australia Pty Ltd., Mayfield, NSW

Alcan Gove, Gove, NT

Brisbane Water, Pinkenba, QLD
Millmerran Power, Millmerran, QLD
Queensland Alumina Limited, Gladstone, QLD
Rio Tinto Aluminum, Electrical Workshop, Weipa, QLD

Kimberly Clark, Tantanoola Mill, Tantanoola, SA
Penrice Soda Holdings Limited, Osborne, SA

Australian Paper, Morwell, VIC
International Power Hazelwood, Morwell, VIC
International Power, Loy Yang B Station, Traralgon, VIC
TRUenergy, Yallourn Power Station, Yallourn, VIC

BHP Billiton Nickel West Pty Ltd, Perth, W A
Verve Energy, Collie Power Station, Collie, W A
Woodside Energy Ltd, Perth, W A
Worsley Alumina Pty Ltd, Collie, W A

Belgium

Air Products, Gent Plant, 9042 GENT
Borealis Kallo NV, Kallo, Kieldrecht

Brazil

Samarco Mineracao S. A, Anchieta, ES

Canada

Alberta Newsprint Company, Whitecourt, AB
ATCO Power, Hanna, AB
Earth Tech, Swan Hills Treatment Centre, Swan Hills, AB
EPCOR Generation, Edmonton, AB
Harmattan Gas Proc, Harmattan Plant, Sundre, AB
TransAlta Utilities, Keephills Plant, Keephills, AB
TransAlta Utilities, Sundance Plant, Duffield, AB
TransAlta Utilities, Wabamun Plant, Wabamun, AB

Duke Energy, Fort Nelson Gas Plant, Ft. Nelson, BC
Duke Energy, McMahon Plant, Taylor, BC
Teckcomico, Highland Valley Copper Mine, Logan Lake, BC
Zellstoff Celgar Limited Partnership, Castlegar, BC

Winnipeg Waste & Water Treatment, Winnipeg, MB

Hibernia, St. John's, NF
Petro Canada, Terra Nova FPSO, St. John's, NF

Abitibi-Bowater Mersey Paper Co, Brooklyn, NS
ExxonMobil, Goldboro Gas Plant, Goldboro, NS

Abitibi, Fort Frances Division, Fort Frances, ON
INVISTA, Maitland Plant, Maitland, ON
Nova Chemicals, Corunna Site, Corunna, ON
Nova Chemicals, St Clair River Site, Sarnia, ON
Ontario Power Generation, Courtright, ON

Hydro Quebec, Centrale de Tracy, Sorel-Tracy, PQ
Kruger Inc, Montreal, PQ
Quebec Cartier Mining Co, Mont Wright, Fermont, PQ

Quebec Cartier Mining Co, Pellet Plant, Port-Cartier, PQ

Mosaic, K1 Mine, Esterhazy, SK

China

Huanend Power Int Inc, Shidongkou II Stn, Shanghai City
Huaneng Power International INC. (HPI), Shijiazhuang, Heibei
Huaneng Power Int Inc, Qinbei Power Stn, Jiyuan, Henan P.R.

Luxembourg

DuPont Luxembourg, Contern-Hesperange

Malaysia

Kapar Energy Ventures Sdn. Bhd., Kapar, Selangor

New Zealand

Contact Energy, New Plymouth Station, New Plymouth
Contact Energy, Te Rapa Station, Te Rapa, Hamilton
Carter Holt Harvey, Tasman Mill, Kawerau, Bay of Plenty
Ballance Agri Nutrients Ltd, Hawera, North Island
Vector, Kapuni Gas Treatment Plant Store, Kapuni, Taranaki

Pakistan

Engro Chemical Pakistan Ltd, Karachi

Papua New Guinea

Ok Tedi Mining, Process Control Dept, Tabubil, Western Province

Peru

Compania Minera Antamina S. A, Lima

Taiwan R.O.C.

Taiwan Power Co, Taichung Thermal Plant, Kahohsiung City
Taiwan Power Co, Taichung Thermal Plant, Lung-Ching Hsiang, '

The Netherlands

Air Products, Botlek and Pernis Plants, Botlek-Rotterdam
DuPont De Nemours (Nederland) B.V., Dordrecht
E.ON Benelux, Rotterdam
Philip Morris International, Bergen op Zoom

United Kingdom

Talisman Energy, Aberdeen
Centrica, Peterborough Power Station, Peterborough, Cambridges
Pentagon Fine Chemicals, Halebank, Widnes, Cheshire
Lafarge Cement UK, Hope Valley, Derbyshire
Barking Power Station, Dagenham, Essex
InterGen Operating Co, Coryton Station, Stanford-le-Hope, Essex
EON UK, Connah's Quay Power Station, Deeside, Flintshire, Wal
Scottish and Southern Energy, Medway Stn, Rochester, Kent
Spalding Energy Company Ltd., Spalding, Lincolnshire
CPL Operations Limited, Corby, Northants
INVISTA Textiles, Wilton Site, Wilton, Redcar
Air Products PLC, Walton-on-Thames, Surrey
Centrica, Barry Power Station, Sully, Vale of Glamorgan, Wales

West Indies

Alumina Partners of Jamaica, Mandeville, Jamaica
Winalco, Ewarton Works, St. Catherine, Jamaica