



# Electrical Design Associates



## John R. Newton

### Professional Record

Mr. Newton is an electrical designer with over 40 years experience in planning, designing and installing control systems. The majority of this experience has been in the water and wastewater industries. During this time he has managed multi-million dollar projects for a water/wastewater control system supplier as well as providing consulting engineering services to those industries for over 20 years.

Mr. Newton has designed plant control systems for water and wastewater treatment plants with capacities up to 200 MGD as well as SCADA systems for lift station collection facilities, water distribution pump stations, and reclaimed water systems. He has developed strategic automation plans for some of the largest utilities in the country. Such plans have covered all aspects of a utility's operation including plant automation, maintenance management, customer service, GIS and engineering.

Over the years, Mr. Newton has provided engineering services to many utilities. The following is a partial list:

- Wastewater Lift Station Rehabilitation  
Palm Beach, Florida
- Water Conserv II 13 kV Improvements  
Orlando, Florida
- Iron Bridge Water Reclamation Facility  
Orlando, Florida
- Crane Stand Lift Station 249  
City of Orlando, Florida
- Sunflower Pump Station  
Orange County, Florida
- North Region Pump Station  
Palm Beach County, Florida

### Academic Credentials:

Bachelors of Electrical Engineering  
Newcastle Polytechnic, England, 1975  
Digital Electronics

Certificate in Management  
AMA Extension Inst., Piedmont College, NC,  
1986

### Employment Record:

2002-Present – Electrical Design Associates, Inc.  
 2000-2002 – Machine Technology & Control  
 1996-2000 – Westin Engineering  
 1992-1996 – EMA Services  
 1988-1992 – Camp, Dresser & McKee  
 1980-1988 – Simmonds Precision  
 1975-1980 – Sperry Gyroscope  
 1970-1975 – International Computers Ltd

### Principal Areas of Expertise:

Planning, Design, and Implementation of Instrumentation and Control Systems for Water and Wastewater Treatment Facilities and Pump Stations

Telemetry Subsystems

Business Process Reengineering for Water and Wastewater Utility Efficiency Improvements

All Phases of Project Management

### Publications:

“Control of large water pumping stations more than just a remote possibility”.  
Annual AWWA Conference, Miami, FL, 1995  
J. Newton and J. Branscome (SFWMD)