

PHARMACEUTICAL/BIOTECH

FULL-SERVICE CAPABILITIES

Through in-house resources, O'Neal provides detailed design, construction, and validation for:

- Process and Process Controls
- Utilities
- Facility Design
- Buildings
 - Laboratories
 - Offices
 - R&D
 - Distribution
 - Manufacturing

INDUSTRY EXPERTISE

Within the pharmaceutical industry, O'Neal's experience includes:

- Project Appropriation Development
- Master Planning, Site Planning, and Facility Laboratory Layout and Design
- cGMP Facilities
- Parenteral Processing and Packaging
- Ultra-filtration; Chromatography; and Centrifugation
- Liquid Processing
- Pharmaceutical Drying, Blending, Granulation and Coating
- Bulk Manufacturing
- Medical Devices
- Aseptic and Sterile Filling Operations
- WFI and USP Water Systems
- CIP/SIP
- Solvent Storage and Handling

CLIENTS

- Abbott Laboratories
- Alpharma
- BASF
- Baxter Healthcare Corporation
- Bayer
- Biogen Idec
- Cardinal Healthcare
- Center for Disease Control
- Chesapeake Biological Laboratories
- CibaVision Corporation
- CryoLife
- Diosynth
- DSM Pharmaceuticals
- Eisai
- GlaxoSmithKline
- Solvay Pharmaceuticals
- Mallinckrodt
- MedImmune
- Merck & Co.
- Novo Nordisk
- Roche Carolina
- U.S. Food and Drug Administration
- Wyeth

