



Research & Development Center

Connecting your business to the resources you need

Here at MP&C, we understand how crucial it is to have the capabilities to invest in new products or processes to maintain a competitive advantage over the competition. This is the specific reason why we've invested in a full-scale R&D Center to offer a solution to our clients that do not currently have this resource.

We're here to set your operation up for success. Whether you're looking to cut production costs, implement custom fabrication, or set up a custom-designed solution. Our highly-skilled team can turn your needs into comprehensive answers engineered specifically for your business.

It's our mission to design a lean, more cost-effective operation for your process that allows production to run more smoothly. We do this by thoroughly reviewing your process requirements and utilizing our Process and Automation experience to engineer a custom comprehensive system.



Processes Available

- Filtration
- Separation
- Concentration
- Pasteurization
- Waste Stream Recovery
- Blending
- Spray Drying

Why MP&C, Inc.

- Process Development
- Beta Product Development
- Isolated Facility
- Validate a new membrane technology
- No existing facilities or ability to run on normal operational equipment
- Need to run product from start to finish in one facility

**flexible solutions for
your business needs**

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MP &C

Equipment Available

Filtration Equipment:

- Micro-Filtration Microfiltration (2.0 - 0.05µm)
- Ultra-Filtration (0.1µm - 0.005µm)
- Nano-Filtration (0.003µm - 0.0009µm)
- RO – Reverse Osmosis (<0.0001µm)
- HP RO – High Pressure Reverse Osmosis (up to 1,500psi)

Other Process Equipment:

- Tanks (Heated, Cooled & Agitated)
- Spray Dryer
- Clarifier
- Screw Press
- Pre-Filtration

Process Utilities

- Polished Process Water
- Steam
- Glycol
- Hot Water
- Chilled Water
- CIP

Amenities:

- Drive-in Freezer / Cooler
- Conference Room
- Process Lab

Turnkey Offering

- Plant efficiency designs and improvements
- Processing & Automation Engineering
- Design / Build Process Equipment
- Membrane Process Skids
- Custom Process Equipment
- CIP Skidded Systems
- Automation Integration
- Electrical Design Services
- Programming and Controls
- UL 508 Panels Design & Fabrication
- Server Integration & Support
- Database - Front/Back End Reporting
- Sanitary Process Piping Installation
- Refurbishment of Process Equipment
- Mechanical Installation



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INNOVATING PROCESS CONTROLS