

# BACHELOR CONTROLS, INC.

# SERVICES

Bachelor Controls (BCI) is a leading provider of control systems integration solutions and is a premier batch solutions integrator. Founded in 1983, BCI is a Kansas licensed engineering firm.

*“Bachelor Controls has a lot of talent, and I would highly recommend them because of their trusted expertise and responsiveness. I firmly believe that Bachelor Controls is an added value; I’m a totally satisfied customer.”*

- Leland Barnes, Project Engineer – Electrical, Morton Salt, Inc.



## BATCH SOLUTIONS

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- ISA-88 solutions
- Batch focused MES
- ERP to batch system integration
- Recipe workflow management

## LEGACY CONVERSIONS & UPGRADES

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- PLC Conversions
- Equipment upgrades
- Plant equipment optimization
- Network analysis & design

## DATA & INFORMATION

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- Process visibility
- Process monitoring
- Data capture & visualization
- Analytics & optimization
- Reporting

## PROCESS CONTROL

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- pH management
- Temperature control
- Distillation
- Fermentation
- Cooking Extrusion
- Drying
- Emulsion Processes
- Clean-in-Place (CIP) Systems
- Powder Handling & Containment
- Accuracy algorithms

## INDUSTRY EXPERTISE

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- Food & Beverage
  - Dry Mixes
  - Baking
  - Coffee
  - Alcohol
  - Modified starches
- Petfood
- Feed and Grain
- Pharmaceutical
- Specialty Chemical



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