

# What Happens During Commissioning?

## A GENERAL OVERVIEW

Brewery commissioning is dependent upon all utilities being connected and available for use at the equipment per the mechanical specifications. All raw ingredients, chemicals, yeast, and aeration gas must be available for use in CIP and wort production. All equipment must be properly grounded prior to any instrumentation checkout.

Commissioning the system will be conducted in the following phases with some phases happening concurrently and not necessarily in the order listed:

### **Mechanical Verification**

- Verify motor speeds, interlocks, valve operation
- Run grain handling equipment to verify sequencing & mill gap adjustment
- Pump water through process lines to verify clamped connections are not leaking

### **Instrumentation Verification**

- Verify that all devices are wired properly at the device and in the associated control panel
- Verify span and functionality of all process instrumentation with water

### **Functional Verification**

- Verify glycol systems and set points against specifications
- Bring water systems to operational set points
- Water CIP to verify programming
- Water brew to simulate production and verify programming

### **Brewhouse Commissioning**

- CIP brewhouse with chemical
- Produce wort to verify system meets specifications
- Transfer wort to cellar to verify knockout meets specifications

### **Cellar Commissioning**

- CIP cellar with chemical
- Verify temperature control logic against specifications