

**ADAPTABLE FEATURES:**

- \* High performance Allen-Bradley ControlLogix hardware
- \* PLC controls allow for a completely automated system
- \* Operator interface and data acquisition with Schneider Electric Citect SCADA
- \* Program kiln changes using an intuitive schedule editor, with multiple segments to control dry bulb (heat), wet bulb (humidity), and fan speed or air flow
- \* Kiln charge graphs continuously trended and stored on hard disk or static memory
- \* System alarms displayed for operator acknowledgement and can also be texted or emailed
- \* Fan speed or air flow control using variable frequency drives



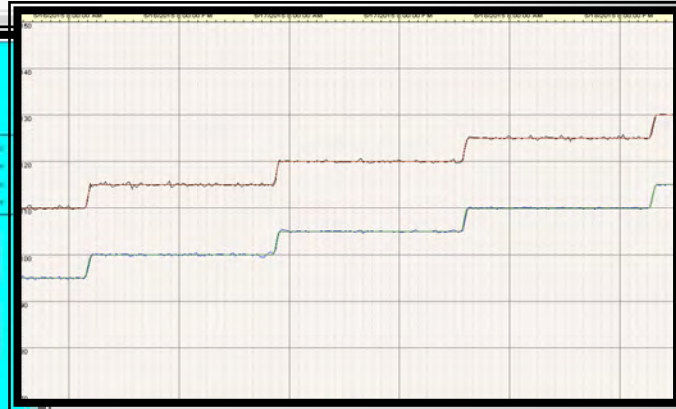
**Progress Engineering, LLC**  
*Innovation ~ Control ~ Integration*

**KILN CONTROL SYSTEMS**



| Run Time            | Accumulated Time       | Dry Bulb SP (Deg F) | Wet Bulb SP (Deg F) |
|---------------------|------------------------|---------------------|---------------------|
| Days 20 Hours 0 min | 2 Days 22 Hours 0 min  | 112                 | 50                  |
| Days 20 Hours 0 min | 3 Days 18 Hours 30 min | 115                 | 100                 |
| Days 20 Hours 0 min | 4 Days 15 Hours 0 min  | 120                 | 100                 |
| Days 20 Hours 0 min | 5 Days 11 Hours 30 min | 125                 | 110                 |
| Days 20 Hours 0 min | 6 Days 8 Hours 0 min   | 130                 | 110                 |
| Days 20 Hours 0 min | 7 Days 4 Hours 30 min  | 140                 | 120                 |
| Days 20 Hours 0 min | 8 Days 1 Hours 30 min  | 130                 | 120                 |
| Days 3 Hours 0 min  | 8 Days 4 Hours 31 min  | 60                  | 60                  |
| Days 0 Hours 0 min  | 8 Days 4 Hours 31 min  | 0                   | 0                   |
| Days 0 Hours 0 min  | 8 Days 4 Hours 31 min  | 0                   | 0                   |

Current Schedule: Summer Wides



Progress Engineering designs kiln controls for most kiln configurations, including steam or electric heat, single or multiple fans, and with or without fan speed control. Many systems include control of vent heat exchangers and can also be interfaced to boiler controls to reduce boiler demand.