

Obsolescence Happens...

Let's face it – obsolescence happens! The ever-quickening pace of new computers and controls technology is shortening the life cycle of equipment in the field.

Thomas Engineering now offers several strategies for upgrading older controls to run on current and well-supported hardware and with Windows XP. We also offer options for migrating older controls to the current COMPU-COAT 6 application and computer hardware. Thomas upgrades are carefully planned and executed, minimizing cost, risk, and process downtime compared to total control system replacement.



Upgrade To COMPU-COAT PC hardware and Windows Operating System

A Thomas PC upgrade with Windows XP Operating System benefits include:

- o Provide replacement for obsolete computer hardware.
- o Leverage original control system investment
- o Faster and more reliable PC hardware.
- o Better availability of hardware spares.
- o Thomas Engineering equipment warranty on all newly supplied hardware.

Migration from earlier COMPU-COAT versions to COMPU-COAT 6 provides all the same benefits as an upgrade, along with:

- o Excellent operator acceptance.
- o 21 CFR Part 11 compliant.
- o Enhanced details for recipes and reports.
- o Optional integration with customer network.
- o Centralized security administration and data storage.

Thomas Engineering offers these three options:

Upgrade * Migration * Replacement

| | COMPU-COAT 4 or COMPU-COAT 5 | | | COMPU-COAT 1, 2, 3 |
|--|------------------------------|------------------|------------------|--------------------|
| | Upgrade (PC Replacement) | Migrate | Replace | Replace (only) |
| Application Software | Re-use CC4 or CC5 | New CC6 | New CC6 | New CC6 |
| HMI | Re-Use | New | New | New |
| PC | New | New | New | New |
| PLC | Re-Use; PLC5 | New ControlLogix | New ControlLogix | New ControlLogix |
| Operating System | WIN XP | WIN XP | WIN XP | WIN XP |
| I/O VFD/Field Wiring | Re-Use | Re-Use | New | New |
| All NEW Controls Enclosures (Inlet, Exhaust, Coater, Spray) | No | No | Yes | Yes |
| Requires Process Air Bypass Upgrade | No | Yes | Yes | Yes |
| Compliance with 21CFR Part11 | No | Yes | Yes | Yes |

THIS DIAGRAM IS AN EXAMPLE OF THE MIGRATION OF A COMPU-COAT 4 OR 5 TO A COMPU-COAT 6 CONTROLLER.
(1) EXISTING COMPU-COAT 4 OR 5 CONTROLLER.
(2) ADD CONTROLNET INTERFACE.
(3) ADD COMPU-COAT 6 HARDWARE AND APPLICATION.

