

MANUFACTURING | HMI | NORTH AMERICA

100% fab uptime with CIMPLICITY



Integrated Device Technology (IDT)

Challenge

New fab needing automation and control system within tight budget significantly lower than other modern fabs, compressed timeline, adherence to cleanroom standards, production optimization including minimizing downtime.

Action

- GE Digital's CIMPLICITY deployed as a supervisory system
- More than 3,000 I/O points measure cleanroom variables such as pressure, temperature, flow, and relative humidity
- Built-in alarm management with three levels of alarms
- 100s of operator screens with ability to easily modify and quickly create new screens
- Complete reporting on all important systems: tracking, trending, alarms, logging, cleanroom analysis, and more

Result

- 100% fab uptime
- 33% of the cost of a conventional system
- Meet cleanroom standards without compromise
- New fab automation system completed within tight 9-month deadline
- Easy-to-use graphical interface speeds operator response
- Scalability for growth