current
powered by GE

Current, Powered by GE, Is Transforming Its Business—Beginning at The Hendersonville Plant, North Carolina

About Current, powered by GE

Current, powered by GE, leverages Predix and the Internet of Things to enable intelligent environments. By embedding sensors into light fixtures, GE can offer more to customers:

Intelligent cities
- Locate vacant parking spaces
- Monitor carbon emissions
- Surveillance cameras

Intelligent buildings
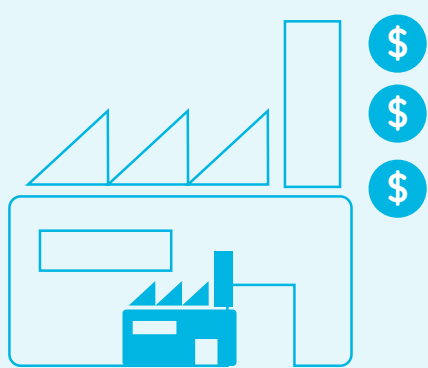- Motion detectors
- Ability to track time spent in store

Customer challenge

Reduce overproduction and static inventory

Facilitate plant growth of
300% to $800M

- Reduce order lead time and time-to-delivery
- Drive plant-wide increase in uptime and throughput
- Reduce material costs through accurate estimates and orders
- Reduce energy costs by running the plant only to fill existing orders

GE Digital's Brilliant Manufacturing solution

Current, powered by GE, enables the transformation from a light bulb company to a lighting solutions company with Brilliant Manufacturing.

Lean manufacturing
Drives on-time delivery metrics

Digitization
Reduces manual labor and paper with CIMPLICITY and MES 2.0

Scalability
Enhances serialization and quality control using Plant Applications software

ERP integration
- Single data source increases plant-wide machine visibility
- Enable iDocs capabilities—OE/MII-Standard, Matmas, LOIPRO

Implement Plant Applications
- Serialization
- Genealogy
- Quality management

Solutions deployed:
- GE's Predix
- GE Digital's Plant Applications
- GE Digital's Historian
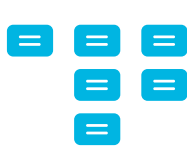- GE Digital's CIMPLICITY
- GE Digital's Workflow

Improved user interface
- Operators improve labor efficiency through task visibility and efficient actions
- Dynamic configuration based on Plant Applications
- Eliminate "hard coding" by site, which reduces internal IT resources and costs

Digitized material flow allows real-time data to be pushed to where decisions are made on the shop floor

- Streamlined ordering process increases customer satisfaction and delivery
- Streamlined materials flow process decreases wasted material and costs
- Optimized assembly process increases quality of fixtures

Started with one pilot line

Transitioned to full MES for digitization across the entire environment

Projected outcomes

Reduce cycle time from
4-6 weeks to 2 weeks

Increase on-time shipments
from **60% to 96%**

Reduce static inventory from
$500,000 to zero

Increase labor productivity **16%**

Future Brilliant Manufacturing plans

Convert from on-premises to cloud-based solution for plant optimization

Deploy Genealogy Manager and Production Manager to further enhance quality and reduce labor costs

Find out how GE Digital's Brilliant Manufacturing can make you a 21st century manufacturing powerhouse. Ready to get started?

Visit **www.ge.com/digital/brilliant-manufacturing**

or call **1-855-YOUR1GE / 1-855-968-7143.**