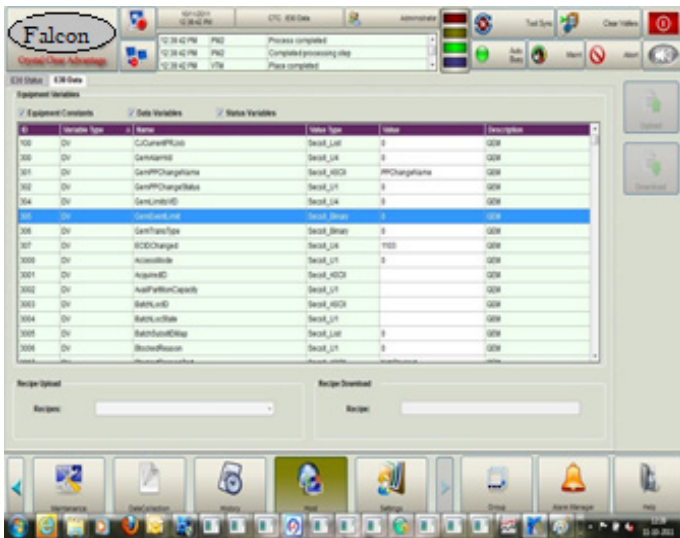




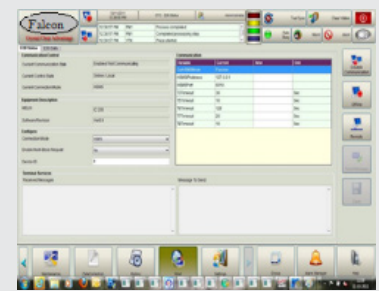
# Falcon Connect – Factory automation (GEM)



## BENEFITS

- Reduced time to market
- Fully compliant with all relevant SEMI standards
- Passed Factory Acceptance Tests at first-go
- Reduced factory acceptance test time and got equipment accepted in a short time

## RESULTS



## CUSTOMER CHALLENGES

- Multiple customers were struggling with developing automation solutions to solve unique problems related to wafer processing and wafer inspection to improve time to market.
- QuEST created a fully SEMI standards compliant equipment automation solution framework – Falcon

## SCOPE

- Reliable and fully SEMI standards compliant automation software which enables the product to hit the right time to market

## SOLUTION

- A complete factory automation solution IP developed by QuEST to ensure full compliance to SEMI GEM standards
- Fully compliant to SEMI standards for both 200mm and 300mm set of standards
- Implementation of SEMI standards - SEMI E4, E5, E30, E37, E39, E58, E84, E87, E90, E94, E116, Stream 12 (Wafermap), G84 (Stripmap)

## FEATURES

- Alarms – tested with more than 5000 alarms
- Events – tested with more than 10000 events
- Variables – tested with more than 20000 variables
- Process programs
  - Supports 15MB process program transfer
  - Takes maximum of 15 seconds for huge data transfer
- Open Transactions Supported -200
- Spooling: Spool size 100MB
- Trace : Supports concurrent traces, Supports trace re-initialization

To learn how QuEST Global's transformative engineering solutions can help you succeed, contact [salesenquiries@quest-global.com](mailto:salesenquiries@quest-global.com)

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