

# Is Your Facility's Electrical System Compliant With NFPA and IBC Codes?

Plant Engineering Services' Electrical Compliance Optimization (ECO) is your long-term solution for all of your electrical service needs. This program streamlines your entire electrical system by making it safer, more efficient, and easier to maintain.

## Benefits

- Path to code-compliant electrical system
- Safer work environment with reduced risk to personnel
- Improved business risk management
- Reduced future engineering costs
- Easy access to required documentation

## Features

- Evaluation of site electrical system
- Specific recommendations for compliance
- Updated electrical system drawings
- System analysis (including arc flash and coordination) using EasyPower, SKM, or eTAP
- Development of site-specific standard and maintenance procedures
- Required compliance and training documentation
- Database asset management
- Hyperlinks to electrical documents

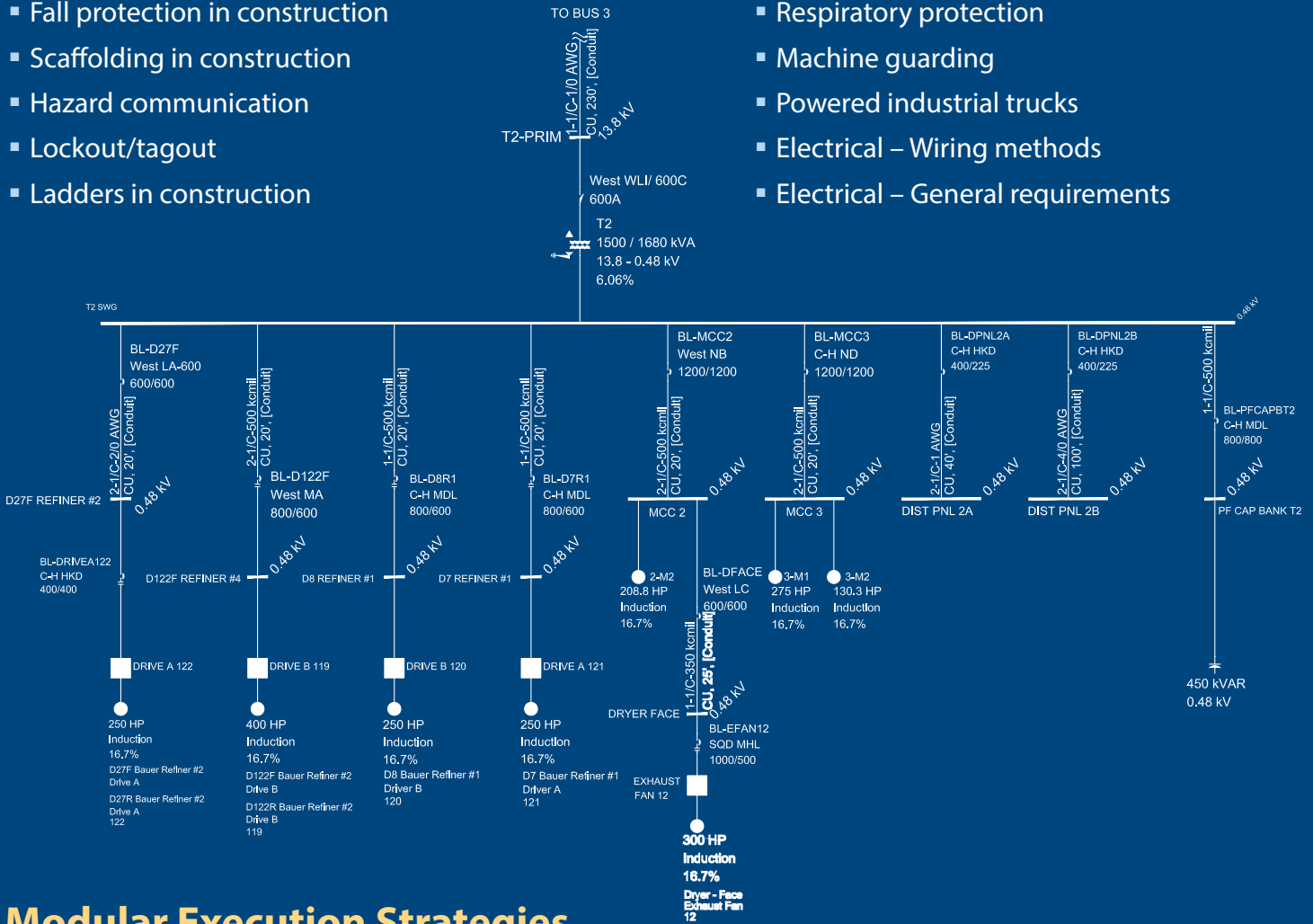
## Case Example

- Designed facility electrical one-line diagrams
- Created database of all electrical equipment including protection relay settings for circuit breakers
- Provided one-line diagrams in PDF format which includes hyperlink to drawing reference documents
- Created standard operating procedures (SOPs) and maintenance operating procedures (MOPs) for critical switching and maintenance of equipment
- Set up document control procedures and best practices

# Electrical Compliance Optimization

## OSHA's Top 10 Code Violations of 2015

- Fall protection in construction
- Scaffolding in construction
- Hazard communication
- Lockout/tagout
- Ladders in construction
- Respiratory protection
- Machine guarding
- Powered industrial trucks
- Electrical – Wiring methods
- Electrical – General requirements



## Modular Execution Strategies

	Level 1	Level 2	Level 3	Level 4	Level 5
Evaluation and recommendations	✓	✓	✓	✓	✓
Updated electrical system drawings		✓	✓	✓	✓
System analysis (Arc Flash/Coordination)			✓	✓	✓
SOP and MOP				✓	✓
Compliance and training documentation					✓
Database asset management					✓
Hyperlinks to electrical documents					✓

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