Kendra McCoy Quality Intern for Cedar Rapids plant

- Part of Schneider Electric, worldwide corporation
- Competitors: G.E., Cutler-Hammer
- Produce molded-case circuit breakers for industrial use
Reason for project

- Many employees reaching retirement age
- Assemblies are long and complicated
- Training time could take six weeks
- Need standardized procedures to help reduce returned product due to missing parts or incorrect assembly
- Need to be in compliance with ISO 9000 standards
Current situation

- Brief, incomplete instructions basically written to meet ISO 9000 standards
- Management has not been requiring use of the instructions
- Instructions are difficult to read and understand and many have not been updated for five to ten years
Guidelines for Job Instruction Sheets (JIS)

- Updated so follow current procedures
- Pictures of each step
- Readable and legible for manufacturing setting
- Simple enough so that a person off the street could build a breaker with instructions alone
Procedure for creating JIS

- Observe assembly area and familiarize self with process
- Take pictures of each step
- Insert pictures into old instructions and make necessary changes
- Add text boxes, highlights, etc. for clarification
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- Have Production Engineer, Quality Engineer, Manufacturing Engineer, and line leader review work instructions
- Make necessary revisions
- Post instructions at station
Status of Project

- Only three and a half lines left out of 20
- Will move onto molding and fabrication area when all assembly lines are finished
- On-going project with constant revisions and corrections due to part changes, assembly modifications, and new standards
Results of Project

- Mixed feelings among line workers
- Have proven to be helpful, especially for problematic lines (large number of new hires)
- Has reduced training time on some lines
- Still working with line leaders to incorporate them in the training procedure
The End

Any questions?