



# SCORE CHINA

A selection of Before and After photos

**Tebian Electric Apparatus Stock Co., Ltd. (TBEA)**

Manufacturer of cables and electric wires since 1998



International  
Labour  
Organization



Schweizerische Eidgenossenschaft  
Confédération suisse  
Confederazione Svizzera  
Confederaziun svizra

Swiss Confederation

Federal Department of Economic Affairs,  
Education and Research EAER  
**State Secretariat for Economic Affairs SECO**



**Norad**

- **In 2014 TBEA took the SCORE Training Module 5: Safety and Health at Work: A platform for productivity.**
- **After the training:**
  - managers and employees collaborated to define workplace hazards and risks
  - An occupational safety and health policy was put in place and into practice
  - Now have systematic monitoring of progress using indicators set out in their OSH management system.
- Following slides present photos taken in the factory - illustrating the OSH-related improvements made

## Hazard & risk control checks in progress



# Protective devices - accident prevention



Machines modified to include protective shields,  
reducing the risk of accidents:

Before: yellow guard does  
not fully shield the machine



After: more substantial  
guard over machines





# Workplace Safety Improvement



New dust absorption equipment and ventilation equipment installed to cover all the workshops

Before



Old equipment that only enabled partial dust absorption



After



New equipment installed to realize company-wide dust absorption: left-water membrane dust collector; right-alkaline scrubbing tower

# Workplace Safety Improvement



Only 40% of chemicals that TBEA used had Material Safety Data Sheets (MSDS) before training.

Now 65% of chemicals used have MSDS.

TBEA are targeting 100% this year...



MSDS 40%  
baseline



MSDS 65%  
After  
Training



MSDS 100%  
target

# Workplace Safety Improvement



Storage areas cleaned and tidied to prevent accidents and improve work efficiency

Before



After



# Employees Welfare Facilities Improvement



Improved hygiene of washrooms

Before



After



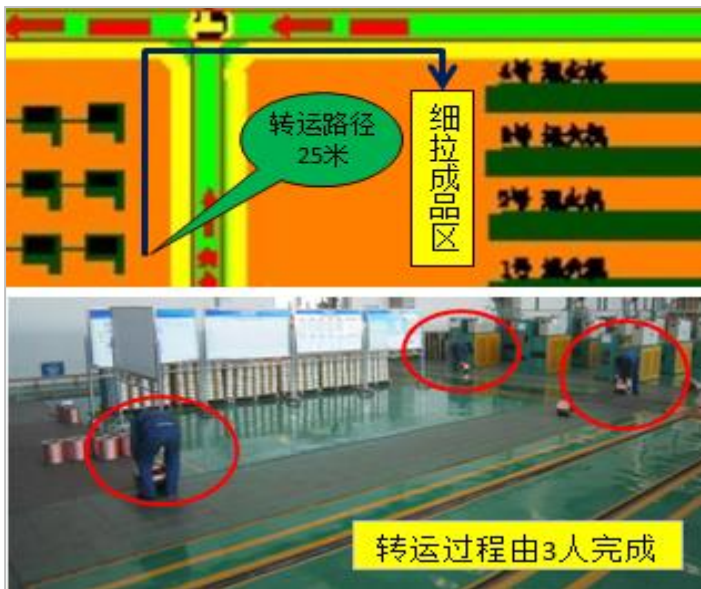


# Improved workflow reduces work intensity

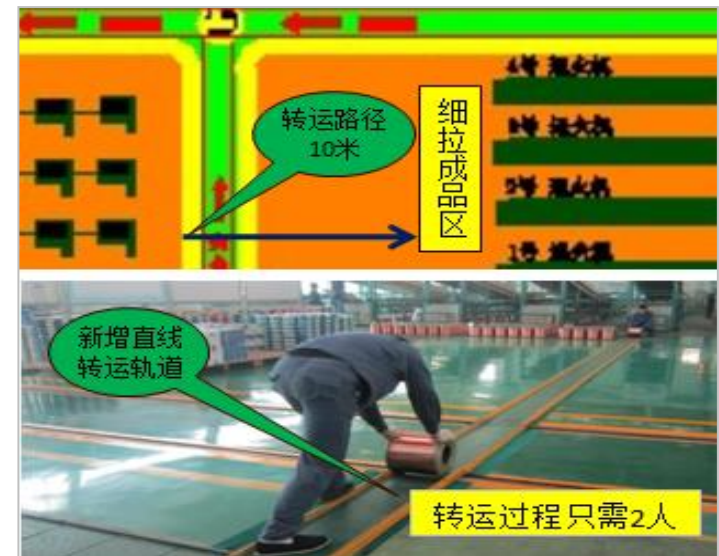


Improved workflow has reduced work intensity - bending over and walking distance

Before



After



- Transportation distance for semi-finished products 25 meters, including two curves
- 3 workers required at the same time
- Time required 40 mins per shift

- Transportation distance shortened to 10 meters with a straight track
- Only 2 workers needed at the same time.
- Time per shift reduced to 10 mins.

# Improved workflow reduces work intensity



Improved workflow has reduced work intensity - bending over and walking distance

Before



After



Employee needed to transport manually at least 10-15 copper strips per day.

A lifting device was installed to transport copper strips. Work intensity was greatly reduced and time saved 50%.

# Personal Protection Equipment Improvements

Where risks could not be eliminated, employees were given improved personal protection equipment

Before



Standard gauze masks



Earplugs without safety cord



Simple gauze masks



After



3M 9332 anti-dust masks



Cord added to prevent dropping out



Face mask provided to protect eyes and face