

Company: National Telecommunication Safety Panel

Industry: Telecommunication - NAICS Code 517110; SIC Code 4813

Employees: 14

Success Brief: An ergonomic assessment was conducted at an asset distribution facility where monitors, desk top computers, lap tops and printers are processed for deployment within the company. Recommended ergonomic improvements resulted in a net labor savings and production improvement of 25% the first year and an accompanying ROI factor of 14.

The Problem: Desk top and lap top computers along with printers and large 21” monitors weighing 80 lbs. were being received and shipped using manual lifting methods. Not only were these manual processes slower from a production perspective, but the potential for back injuries and other musculoskeletal disorders was significant.



The Solution: Ergonomic assessments using commercial software based on the NIOSH Lifting Guidelines and the Snook Push/Pull tables were completed.

Those tasks which were outside of the Recommended Weight Limits (RWLs) and Push/Pull Guidelines were re-engineered or modified. Modest investments in basic material handling equipment including rolling conveyors, self-leveling pallet jacks and hand grippers were installed and employees were trained in their use.



The Impact

- ROI Factor of 14
- Productivity improvement of 25% first year
- Facility able to handle 48,878 more units with same payroll
- Significant net labor savings first year