

# Safety Issues Facing the Industry

Chris Scully, Intel Corporation  
Thad Jones, Microchip Technology

# Company diversification, 12 Inch Wafers, New Products

Move toward new technology and businesses drives EHS involvement

- New products = new hazards
- Mergers and Acquisitions require reviews and assimilation
- Design reviews of new tools, new fabs and support areas
- Working with suppliers of new equipment to ensure proper EHS considerations
- Sign-off reviews for new tools
- New chemistries = new hazards
- Faster, cheaper, smarter = stay on your toes!

# Ergonomics - a leading cause of injuries

- Ergo in the office accounts for roughly 80% of all ergo related events
- New Fab lay-outs require a heavy ergo focus
- Regulatory uncertainty regarding ergonomics
- Back-to work case management = Occupational Health resources
- New challenges of telecommuting, laptops, travel concerns
- Ergonomics requires individual commitment and early intervention

# Behavioral Safety - A new level of focus

**NSC states 80% of root causes = ACTS**

- Behavioral Based Safety Initiatives
- Value vs. Priority
- Beyond 0 recordable rate goals = new indicators?
- Driving Culture shifts, domestic and international
- Safety 24/7
- At home
- Suppliers and Contractors vs. Employees

# Behavioral Safety - A new level of focus

Krause: Need to look under the water



Fatalities  
Injuries  
Near Misses



At Risk Behaviors

# Leading Indicators - Beyond Recordables

With continuously improving OSHA recordable rates, we are approaching the end of recordables/lost day cases as a useful indicator for improvement.

- Leading vs. Lagging
- “Wholistic” indicator development

**Examples of Lagging Indicators:** recordable rates, lost day case rates, incidents, first aids

**Examples of Leading Indicators:** training completion, unsafe acts, near misses, perception survey scores

# Web-based Training - Why, When and How?

- Web-based offers ease of delivery, ease of scheduling and reduced costs
- When is it appropriate to utilize WBT?
- How do you create? In-house vs. vendor
- Tracking, hardware/software infrastructure