• Looking Back – what legacy has been left?
• Here and Now – what legacy can we leave?
• Looking Ahead – what cool stuff is possible
LOOKING BACK

- Working around bitumen
- Hearing Protection
- Hard Hats
- Seat Belts
- Anti Lock Brakes
Hazard ID Checks
Fall Protection
Cable Strikes
Traction Control
Air Bags
**Work:**
- Work Related Fatalities - somewhat static at 45 per year
- Work Related Serious Injury - somewhat static at 400 per year
- Work Related Serious Harm Notifications – strong downward trend in last 3 years

**Motor Vehicle:**
- Motor Vehicles Fatalities - has been falling, but started trending *up* in recent years (300 per year)
- Motor Vehicles Serious Injury - numbers static at 1500 per year
OVERSEAS TRENDS

- Scandinavian Countries
- USA / UK
- Australia
- Visionary Institutions
Systems & Guidelines to Manage Risk:

- H&S at Work Act (April 2016)
- Business Leaders H&S Forum (MWH, Downer, FH, Opus etc)
- Licensing (CTO)
Technology to Manage Risk:

- Remote Control for Hiab cranes
- Tree delimber attachments
- Reversing Cameras
- Vehicle Cameras
- Drones
- Proximity Alarm (iGuard)
Systems to Manage Risk:

- Licensing (Graduated licensing system)
- Drink Driving Laws
Technology:

• Brake Assist
• Autonomous Braking
• Airbag Systems
• Reversing Cameras
• Drowsy Driver Alert
• Lane Departure Warning
• Safety Star Rating (NCAP) – Car Structural Design
WHAT'S NEXT?

• “Silicon Valley” Initiatives
• Night Vision/Laser Headlights
• Driverless cars
• Driverless Container Cranes
• Driverless Earthmoving Equipment
• Look to other Industries for Ideas
• Technology to remove the human from danger zones
Some Other Sectors that Lead the Way

- Manufacturing
- Processing (eg: meat industry)
- Military
LEAVING A LEGACY

What I Hope We Can Be Remembered For:

• Ready acceptance and adoption of new technology
• Keep numbers trending down
• Investment
• Good for business decisions

• Zero Harm Has Been Achieved and is Business as Usual
TECHNOLOGY WILL SAVE LIVES.

THINK OUTSIDE THE SQUARE.