



Personal Protective Equipment

The Future of Hand Protection

Innovation



- What is Innovation?
- Why Innovate at all?
- What drives Innovation?
- What can Innovation do in hand protection?

What is Innovation?

- Innovation

“A new invention or a new way of doing something”

- Novelty
- Modernisation
- Improvement
- Advance
- Originality

Innovation - Faster!



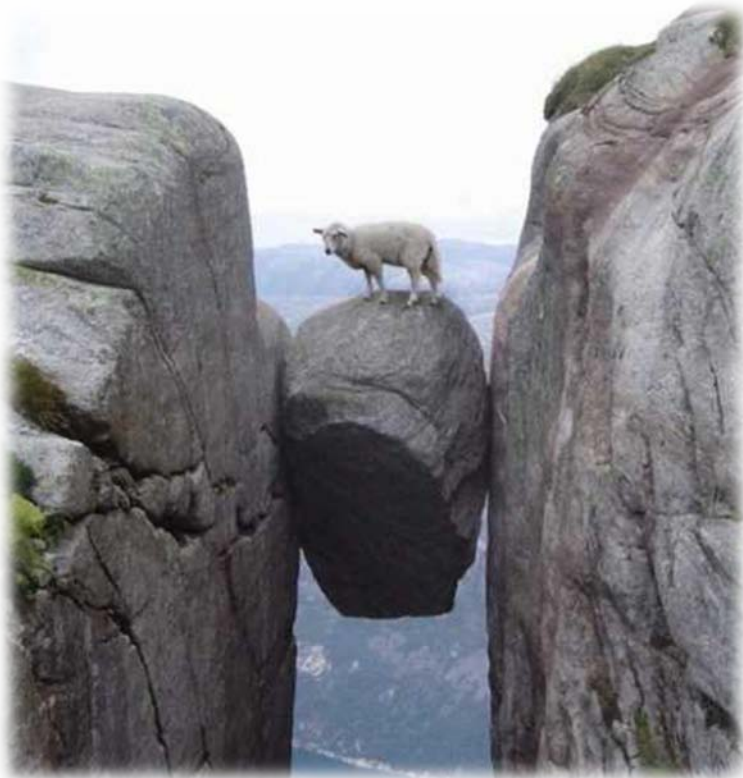
Innovation – More Comfortable



Innovation – Increased Productivity



Innovation – Safer?



Or Indeed



Innovation Drivers & Types of Innovation



- **R & D Driven** – new materials, technologies and manufacturing methods
- **Delivery** Driven – new working methods and workplace requirements
- **Task** Driven – new hazards

R & D Driven Innovation – Case Study



- **The User**
 - Well known global High Street fast food establishment
- **The Problem**
 - Melted vinyl gloves on high temperature food cooking surfaces
- **The Customers Need**
 - A disposable, food grade glove that doesn't melt at 200°C plus

R & D Process



- Understand the problem and its implications.
 - Work with the customer
- Identify appropriate materials
 - Won't melt
 - Food contact approved
 - Flexible
 - Appropriate cost
 - Convertible
- Develop manufacturing method
 - Build manufacturing plant
 - Commission and trial plant and product
- Launch Product – **3 years!**



HAPPY CUSTOMER

Product Delivery Innovation – Case Study



- **The Users**

- Industrial and Medical users of disposable examination gloves

- **The Problem**

- Inefficient dispensing of exam gloves leading to infection control risks, contamination and wastage



The Solution



New Hazards – Case Study



New Hazards Innovation

- **The Users**
 - Police Force Tactical Dog Training and Handling Units
- **The Problem**
 - Control and handling of dangerous dogs



The Solution



The Future of Hand Protection



Innovation is essential to enhanced Safety and Health, but:

- we require input from the market place and hand protection users to ensure that future developments are fit for purpose and are real problem solvers
- we require the help and support of users during the development process
- we would like recognition that there is a significant cost and investment in any innovation process