

Performance Engineering for Performance Athletes

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world class success

uk sport



Background

- Government's elite sport agency
- Invests around £100 million of public funds each year, from the National Lottery, Exchequer and private sponsorship scheme, Team 2012.
- Accountable to the Department for Culture, Media and Sport (DCMS)
- Based in London, it employs around 90 staff

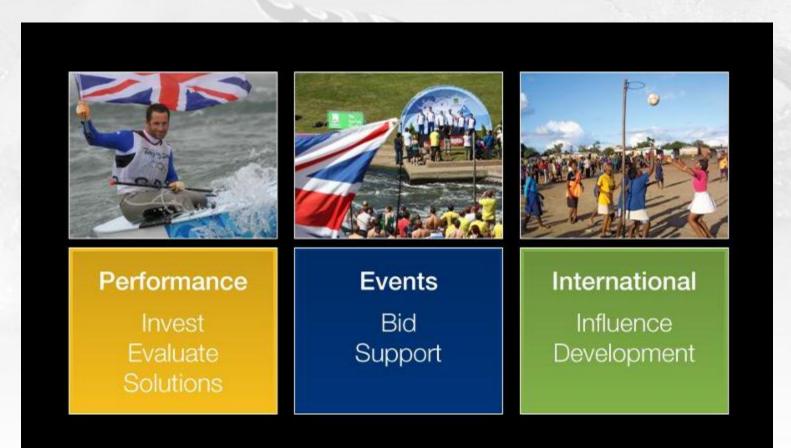


UK Sport, Sport England, Youth Sport Trust





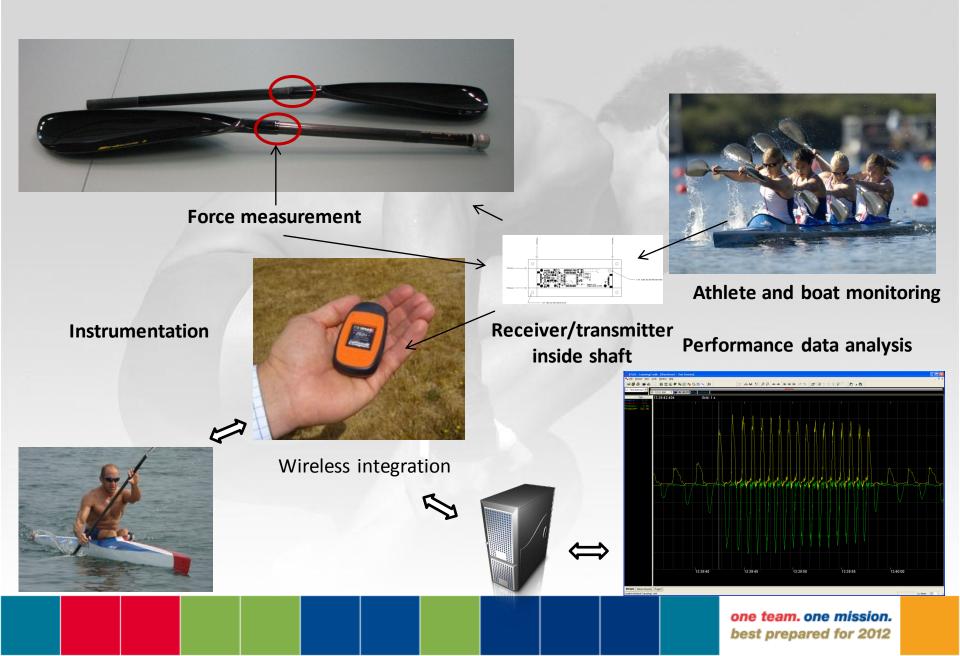
Core Responsibilities



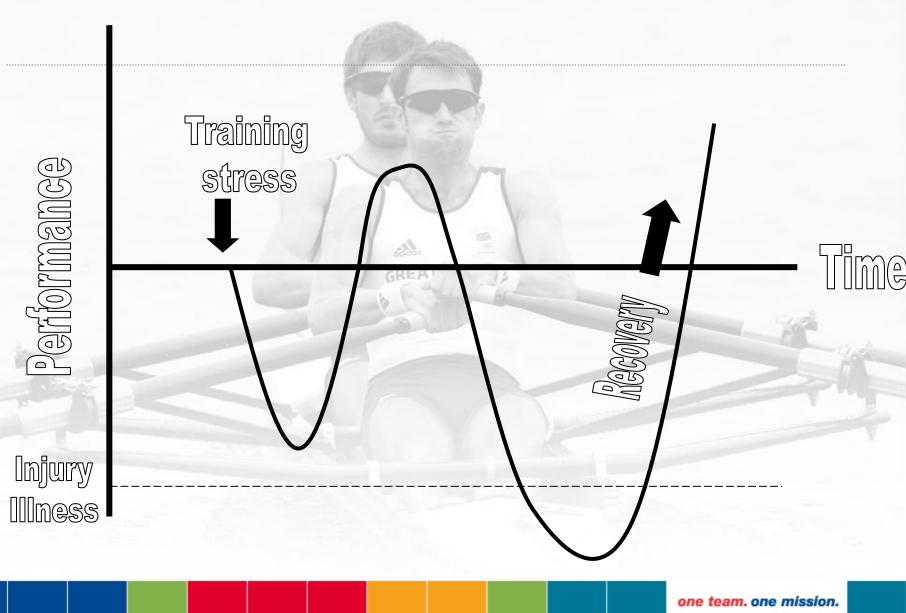


Research & Innovation









best prepared for 2012

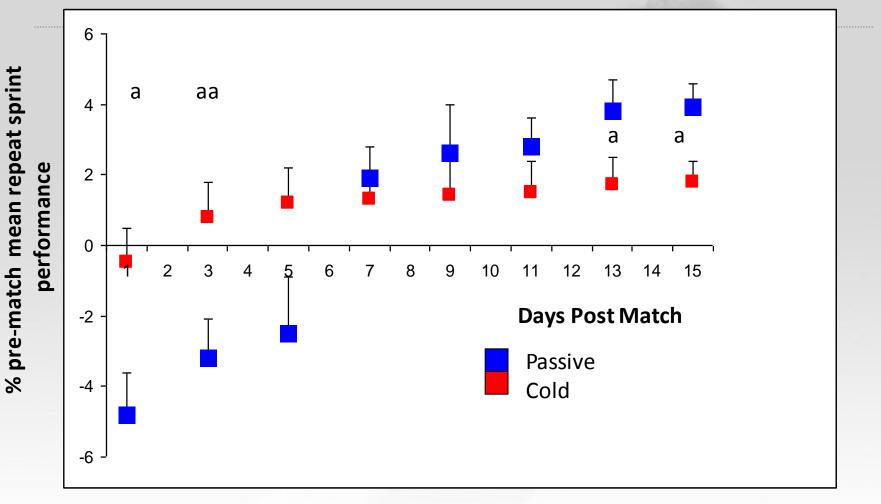






Change over 15 days post-match –

single cold immersion versus passive recovery



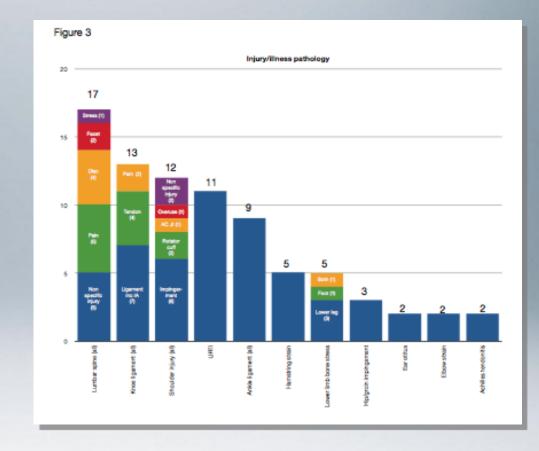
a: p<0.05 cmp to other treatment



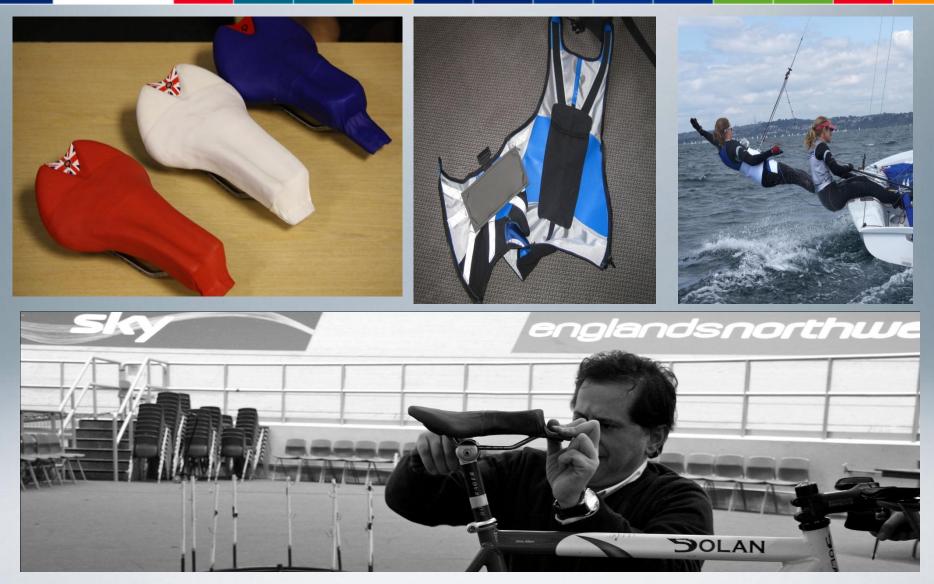
Injury & illness in Great Britain Sport

Olympiad review August 2009

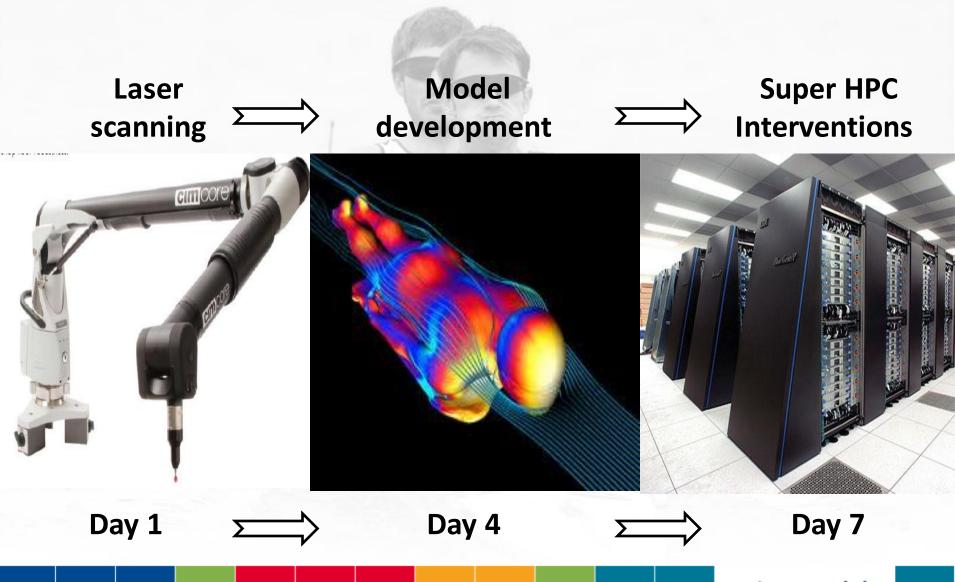














Rapid prototype

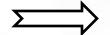
Lab testing > 'Field testing'





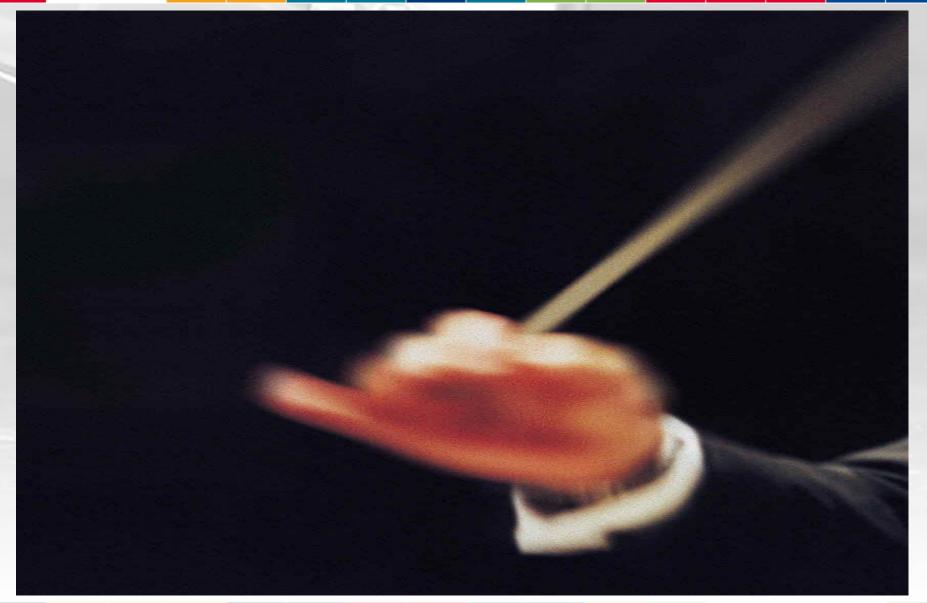
Day 8

Day 10



Day 14







Why do we need innovative equipment?

Winning margins from Beijing 2008

SECONDS

David Weir won the 800m 0.15 seconds ahead of Kurt Feamley of Australia

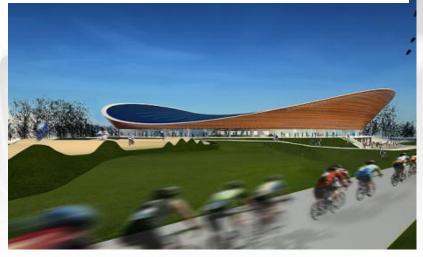






79 days to the London 2012 Summer Olympic Games 112 days to the London 2012 Summer Paralympic Games







Wheelchair Basketball

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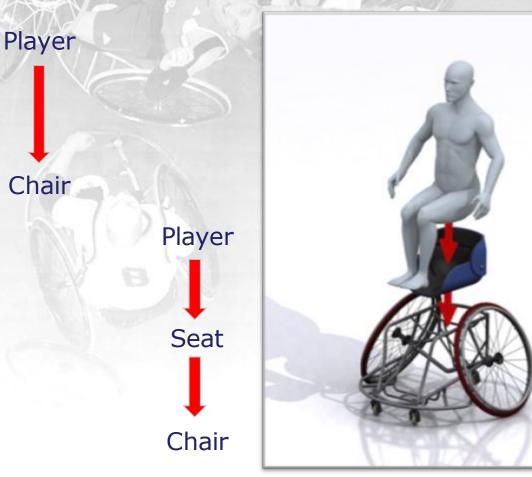
Background





Player / Seat Interaction



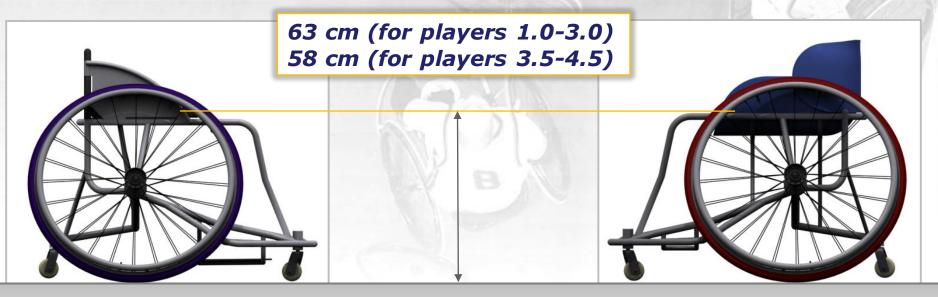


uk sport innovation



Rules – Article 3.1.5, Seat/Cushion Height

The maximum height from the floor to the top of the cushion, when a cushion is used, or the top of the seat platform, when a cushion is not used must not exceed:

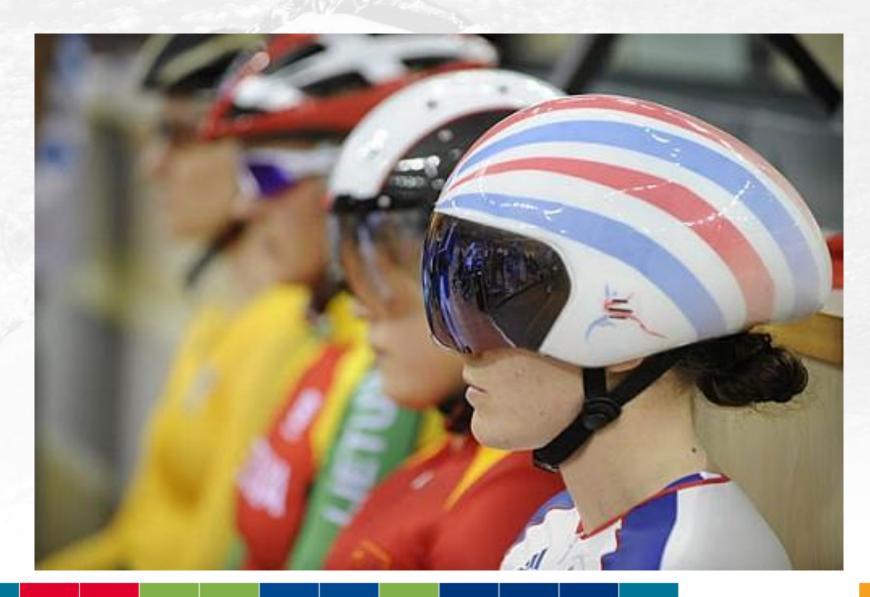




Cycling









Clothing







Murphy's Law







