

# Trends for the future workforce: Implications for Construction



Prof. Chris Adendorff

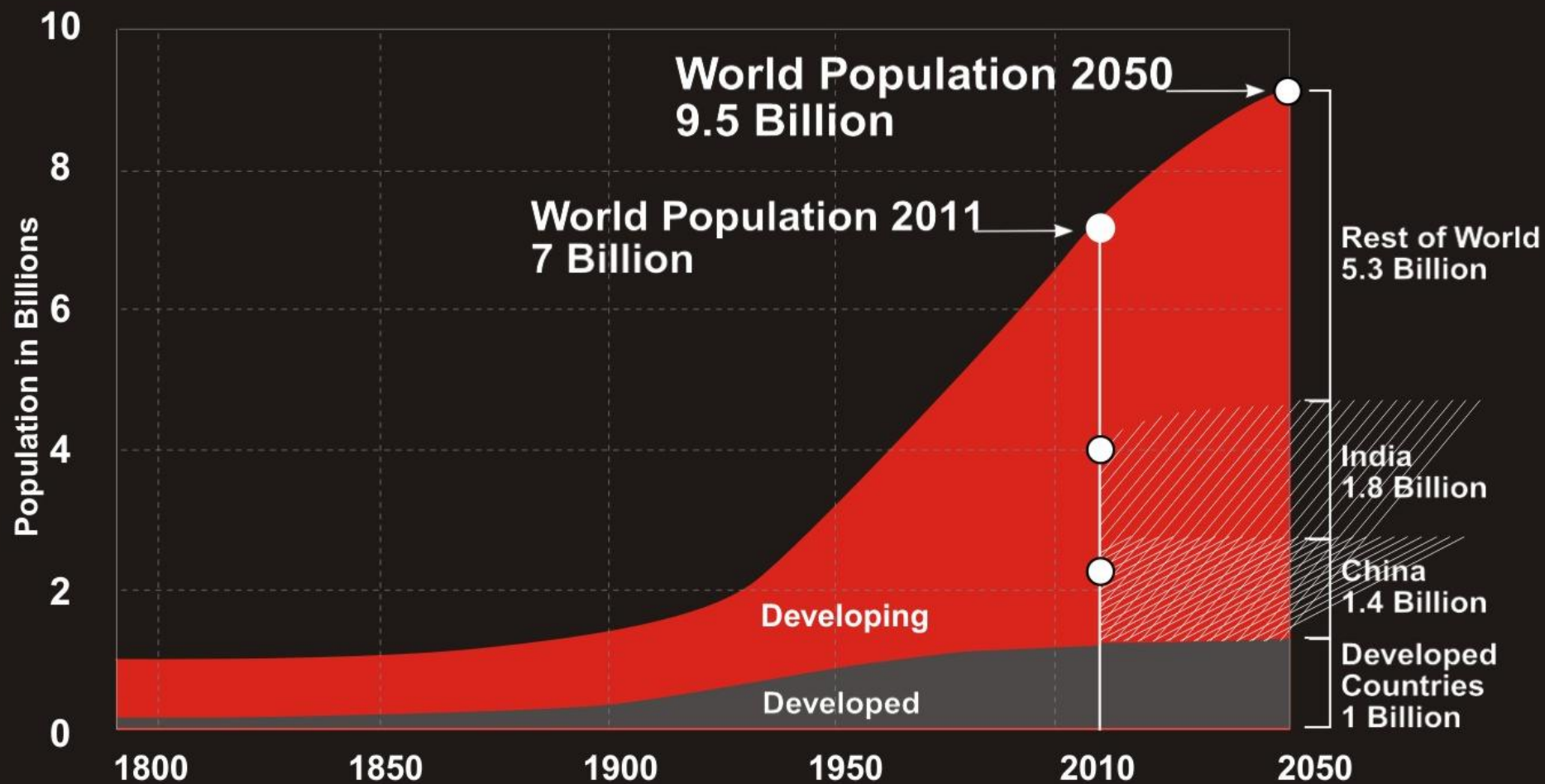


**Nelson Mandela**  
METROPOLITAN UNIVERSITY  
**Business School**

*Leaders for tomorrow*



FUTURE AHEAD







Human Assistance  
is the **FUTURE.**

# WHY THINK ABOUT THE FUTURE?

All our knowledge is about the past, but all our decisions are about the future.



What we don't know we don't know

What we know we don't know

What we know

Most of what we need to know to make good decisions today is outside our comprehension: we don't even know it's there.

***FUTURE STUDIES***



**Nelson Mandela**  
METROPOLITAN UNIVERSITY  
**Business School**

*Leaders for tomorrow*



**Using 3D printer technology to construct future buildings will open up an entire new world of possibilities for Built Environment Specialists and Industry thought leaders**







**Experimenting with wall-printing technology**





Imagining what a house-printer could look like



**The Seatslug**



**The Seatslug in use**





**D-Shape – A printer capable of printing an entire building**



**The Radiolaria**



**Curved Concrete – Loughborough University Project**





**Printed concrete roof structure**



Printing houses – Thinking three-dimensionally



**Printing Houses**





**Printing Houses**



**Free Form Design**





**Free Form Design**