Young engineers and value...

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Contents

- Young Engineer
- Senior Staff
- Macro to Micro
- Personal Experience
- Ownership
- Adding Value
The Young Engineer

- MEng Civil and Environmental Engineering
- Newcastle University, England
- Chalmers University, Sweden
- Beca Infrastructure
The Young Engineer

- Motivated
- Enthusiastic
- Blank slate
- similar to **sponges** and **fungus**!
Senior Staff

• Busy!
• Macro thinking
• Delegate micro tasks
• Monitor and **advise**
• They constantly **teach**…
Macro to Micro

**Macro**
- Multidisciplinary
- Long project times
- Complicated programming and funding phases
- Political

**Micro**
- Purpose and value
- What’s this for again?
Motorway Geotechnical Investigations

- The man on the ground
  - Boreholes and Test pits
  - Survey
Motorway Geotechnical Investigations

VERY SIMPLE STUFF
Motorway Geotechnical Investigations

• Geotechnical testing
• Geology
• Commissioning and Contracts
• Land acquisition
• Project programming
• Internal Quality and health and safety
Road Reconstruction and Widening

- Schedule of Quantities
Road Reconstruction and Widening

- Schedule of Quantities
- Review of Drawings
- Specification
- Contract Documents
Ownership

- We care for the things we own...
Developing Ownership

• Delegate Responsibility
• Give the ‘wing of experience’
• Increased pace of learning
Adding Value...

- Develop the individual, develop the team
- Take the initiative
- Use the wing
- Give the opportunity
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