

STRUCTURES GRAND CHALLENGES

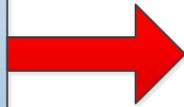
The Big Question
 'How to obtain a better understanding of new and existing structures assets in order to reduce cost, minimise risks and improve whole life performance using dynamic asset management?'

Cross cutting issues

1.Data



2.People



3.Process



4.Customers



5.Standards, codes and guidance



6.Procurement



7.Communications

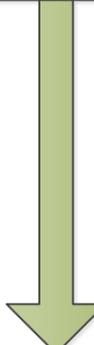


New structures

8.Design



9.Materials



10.Construction

Existing structures

11.Inspection



12.Assessment



13.Intervention - planning

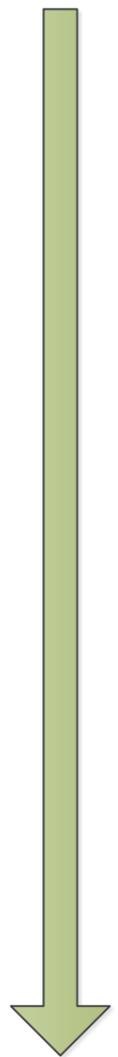


14.Intervention - construction

Risks considered
 Safety (including H&S)
 Operational
 Financial
 Time
 Legal
 Contractual
 Commercial
 Reputational

Other Themes
 Technology
 Innovation

Asset management



Through life