Cyber Threat: Cyber Security

Our future prosperity will rely on digital technology - and our ability to keep that technology secure throughout its working life.

1. **UNDERSTAND SYSTEMS**
   - Next generation technologies and legacy systems working side by side need to be kept secure.

2. **RECOGNISE THREATS**
   - Keep abreast of threat - more technological change creates more opportunity for the cyber criminal.

3. **ANALYSE IMPACTS**
   - Rehearse potential breach scenarios to help understand and mitigate the business impact.

4. **IDENTIFY VULNERABILITIES**
   - Identify and manage all the procedural, managerial and people vulnerabilities.

The technology and skills required to keep us cyber safe will need to grow faster than the growth and use of technology and data if we are to stay cyber safe.

We need to protect...
- sensors from being used by criminal botnets
- open data from being used and manipulated inappropriately
- personal data and preferences from illegal exploitation
- control systems from being hijacked

The tools to achieve these things are developing rapidly and the ‘Bad Guys’ are highly motivated to get good in their use.