

Satellite Ground Systems and Cloud Services... risk and reward

Richard Cooper
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Richard Cooper

Director Consulting Expert in
Space Control and
Information Solutions

r.cooper@cgi.com



CGI

Introduction to our business

CGI is among the largest IT and business consulting services firms

Within Space Control and Information Solutions:

- Satcoms
- Earth Observation
- TT&C
- Commercial and Military

Example customers:

- Oneweb
- MOD
- UKSA & ESA

Agenda - Satellite Ground Systems and Cloud Services

1

Where are we today?

2

Rewards and challenges

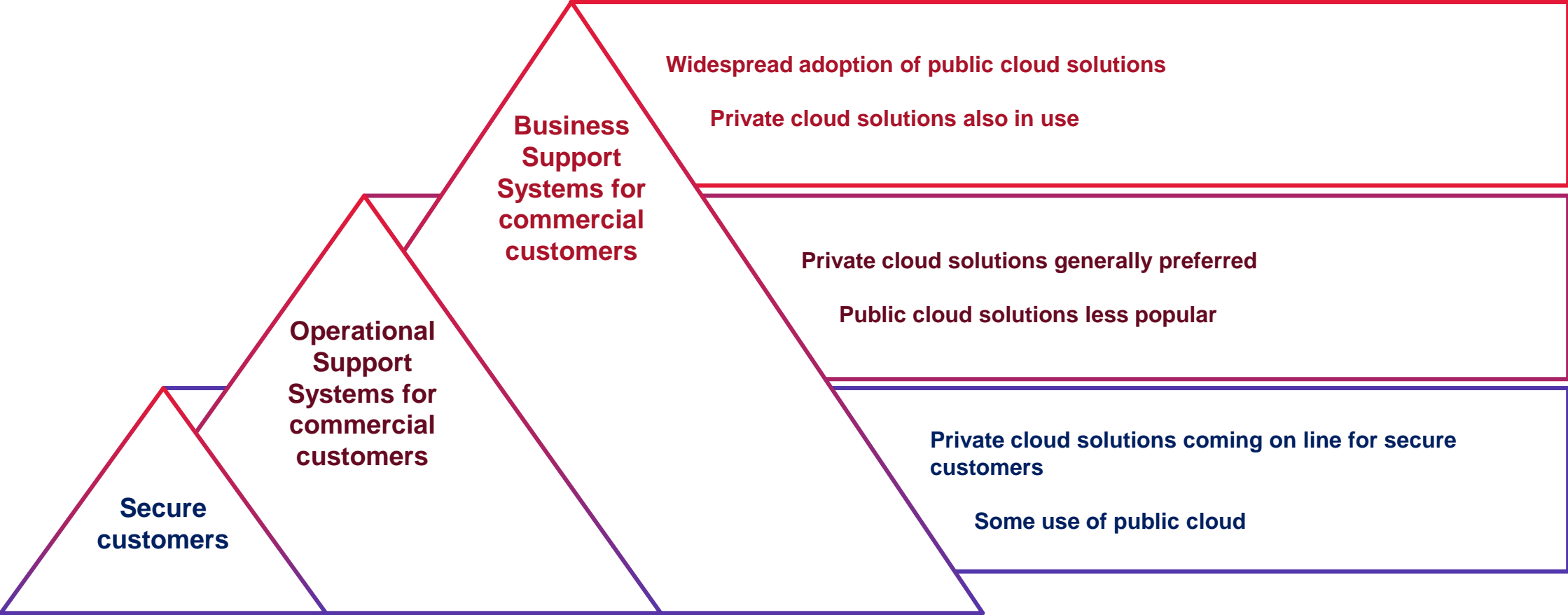
3

Current and future trends

4

What we do

Current situation



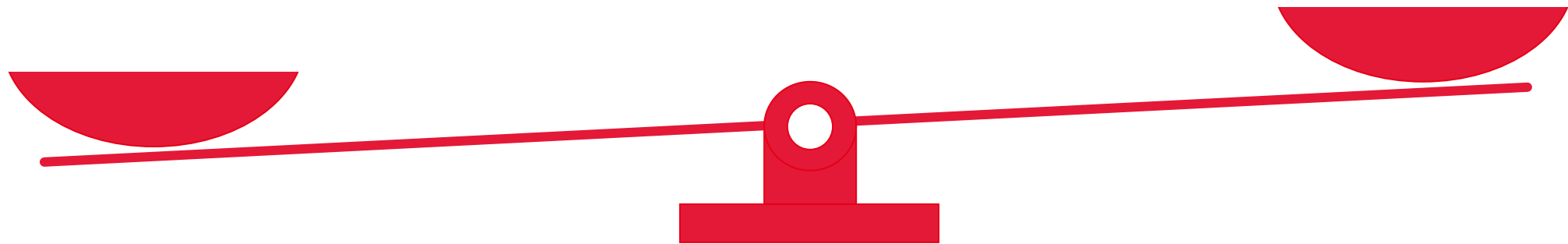
Public Cloud

Advantages

- Time to delivery
- Resilience and availability
- Security
- Scalability
- Collaboration/ubiquity
- Potential cost reduction

Challenges

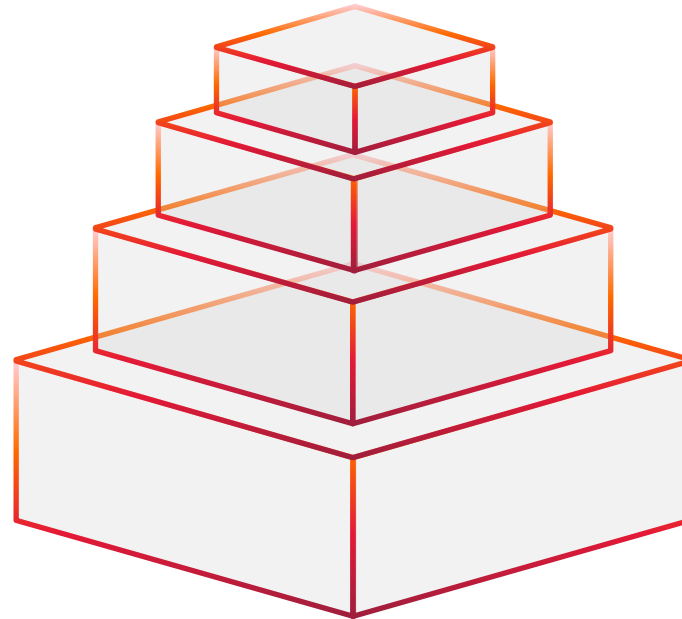
- Ownership and trust
- Skills and Knowledge
- Security
- Cost control
- Regulatory/legal
- Physical proximity



Trends – general

Increased adoption of cloud services

A move from containerization toward serverless



Increased availability of SaaS models

Decentralised workforces

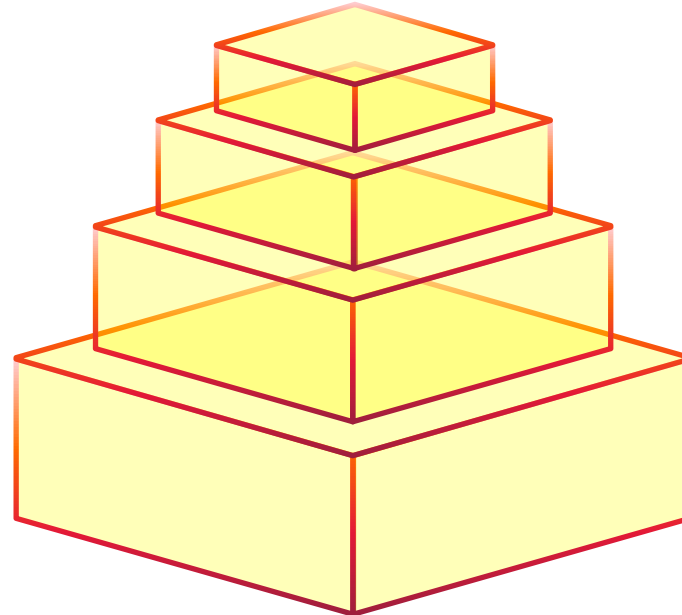
Trends – satellite ground systems

Industry specific cloud solutions

- IL3/5 hosting
- AWS Ground Station
- CGI's GeoData360 product

AI & ML exploitation within cloud services

- Available from public cloud providers
- Niche solutions e.g. CGI's AIAdvance360 product



Increased adoption of third party/public cloud solutions

- Expect increased uptake for OSS

Software supply chain security

- Not cloud specific

Insights you can act on

At CGI, our goal is to drive value from space based systems and data

- Satellite Communications and Control
- Earth Observations
- and much more

Our Space, Defence and Intelligence business:

- Has global reach
- Provides pan-sector services
- Has a range of IP and industrial platform solutions
- As well as providing bespoke solutions and services
- Researches and invests in emerging technology
- Provides world-class cyber services

cgi.com/uk/space



The CGI logo, consisting of the letters 'CGI' in a bold, red, sans-serif font.