



Consultant Systems Engineer (Senior & Principal Grades) – Defence & Security

Location: South-West (Hybrid), with occasional UK travel

Contract: Permanent, Full-Time

About Raptor

Raptor is a Bristol-based consultancy specialising in **system-of-systems engineering, enterprise architecture** and **digital transformation** for Defence and Security clients. We work as an **independent customer friend**, embedding within client teams to help tackle complex challenges, shape coherent architectures, and support confident, evidence-based decisions.

Our work focusses on enabling operational and enterprise-level capability across complex mission and organisational ecosystems. We help clients connect strategy to delivery, navigate technical complexity, and ensure the right decisions are made at the right time.

Alongside this, we advise on effective engagement with the supply chain and can act on the client's behalf in supplier interactions, ensuring solutions are technically robust, strategically aligned, and deliver genuine value.

The Role

As a Consultant Systems Engineer, you'll operate at the **system-of-systems and enterprise level**, supporting clients to **define, design and assure complex, interconnected capabilities**. You will work across the full lifecycle, often in ambiguous or evolving problem spaces, helping clients make well-informed decisions. You will:

- Lead **architectural development**, conceptual exploration and options analysis across mission-level or enterprise-level systems.
- Apply systems thinking to understand **interactions, dependencies and emergent behaviours** across whole capabilities.
- Guide clients through complex technical and organisational challenges, acting as a **trusted advisor**.
- Work embedded within multidisciplinary, multicompany consultancy teams.
- Develop trusted relationships with clients and suppliers, support account growth, and help shape future opportunities.
- Contribute thought leadership, mentor colleagues, and shape our systems engineering and consulting capability.

What You'll Bring

Essential

- Degree in Engineering or a related discipline.
- 5+ years' delivery experience in complex defence, security, or highly regulated programmes.
- Strong understanding of **systems-of-systems** concepts, enterprise-level thinking and systems engineering lifecycle processes.



- **Model-Based Systems Engineering** knowledge and experience, including:
 - Definition and management of user and system requirement and use of tools (e.g. DOORS, Dimensions RM).
 - Development of behavioural and structural models to support enterprise and mission-level analysis (e.g. Use Case modelling, Mission Engineering).
 - Applying architectural frameworks (e.g. NAF, TOGAF) and architecture tools (e.g. Sparx EA, BizDesign, Mood, Cameo).
- Excellent communication skills, with an ability to simplify complexity, facilitate workshops, and influence decision-makers.
- Eligible for UK SC security clearance (existing SC preferred).

Desirable

- Postgraduate qualification (MEng, MSc).
- Professional membership (IET, INCOSE, BCS).
- Experience working on client-side or advisory roles, such as supporting DE&S, Defence Digital, MOD Front Line Commands, or equivalent government organisations.
- Consultancy experience, including client engagement, shaping work packages, and delivering advisory services.
- Agile delivery experience (Scrum, SAFe).
- Test Management experience (e.g. test-case development, acceptance planning).

What We Offer

We believe in rewarding great work and supporting your long-term growth:

- 25 days' holiday + bank holidays + your birthday off.
- **Flexible leave** – option to buy up to 10 extra days.
- **Rapid Reward Scheme** – discretionary bonus every 6 months.
- 7% pension contribution.
- Annual **car allowance**.
- Private medical insurance & life assurance.
- Professional development support & membership fee reimbursement.

Interested?

If you're looking for meaningful work, a supportive team, and opportunities to shape the capabilities of national importance, we'd love to hear from you.

Send your CV and a short note to info@raptorcsl.co.uk