

Almost every organisation on the planet uses equipment to deliver its service. Very few are always happy with the performance of that equipment.

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We train, guide and collaborate with organisations to design support solutions that keep equipment performing, so they can deliver their service, consistently and effectively.



SME Showcase

1. What we do
2. What drives us
3. Themes for 2024

What we do



What we do

Train



What we do

Guide



What we do

Collaborate



What we do

Equip



What we do

Equip

YOUR GUIDE TO
SUPPORT SOLUTIONS



YOUR SUPPORTABILITY
TEAMMATE



THE TRUSTED NAME IN
LOGISTICS DECISION MAKING



What we do



Train | Guide | Collaborate | Equip

What drives us

We understand the impact of good support on an operation.

We take seriously the responsibility that comes with leading Support. Support matters to us, that makes us good at what we do. Very good. We deliver the quality and value that our client deserves, and their operation demands.

Knowledge is power.

We know that real power is in shared knowledge. We don't own all Support knowledge. We do own the power to share the knowledge that we have. We will take time to talk, to clarify, to guide and to train because Support matters to us. We are determined to raise the standards of Support across all industries.

This is our superpower.

Support matters to us, we have a passion for it. We understand that to be a good guide, we need to know more than the average bear. We don't know everything. Curiosity sits at the heart of what we do and we always challenge ourselves to expand the bounds of our knowledge and our skill.

We make sure we understand.

We know that Support matters, so we do not argue from a position of ignorance. If we don't know enough to comment with authority, we don't comment. We learn first. We know that good decisions can only be based on good understanding. Our experience and curiosity arms us with the context and the knowledge needed to think hard and to make strong, well-constructed Support arguments.

We deliver value.

We value our integrity. We stay true to ourselves and to our considered positions. We recognise that a considered position and what our client needs may not be the same thing. We deliver what our client needs. We do not sell our client something that they don't need. Support matters to us, and to our clients.

We always aim to leave our client and their Support in a better place than it was when we engaged.

Values



Themes for 2024

1. Development
2. Partnership

Themes for 2024

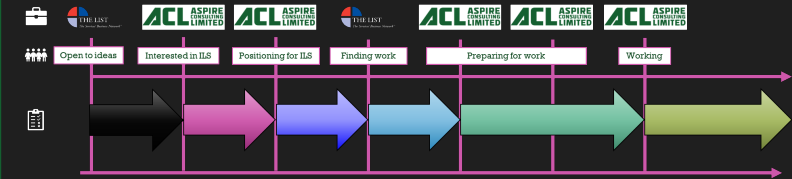
Development

1. Integrated Support: BLOS
2. Integrated Support: Surgery
3. CPD Accreditation



Themes for 2024

Partnership



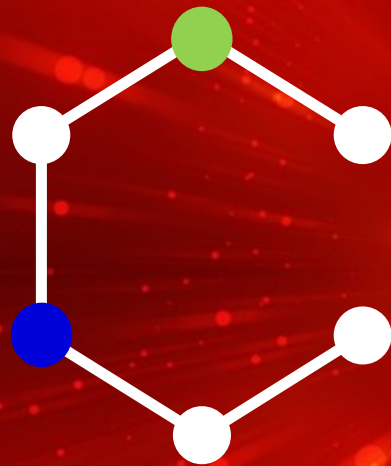
GLACIS

ACL ASPIRE CONSULTING LIMITED

YOUR GUIDE TO SUPPORT SOLUTIONS

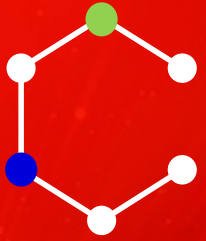
What could we do together?

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CLUSTRE
THE INNOVATION
BROKERS

Helping TDI Members Tap Into
The Clustre Ecosystem



CLUSTRE
THE INNOVATION
BROKERS

Objectives of this presentation

- Introduce Clustre and our amazing ecosystem
- Show you some of the very innovative work our firms have done in A&D
- Convince you that we can help you win more work in your sector and/or deliver more value to your existing clients
 - .. by teaming with one or more of our firms on a case-by-case basis

Our mission

We help large companies with complex business problems or huge opportunities. We introduce them to our eco-system of innovative firms that we know well and totally trust. These firms are uniquely qualified to solve those problems, exploit the opportunities and deliver the right solutions – fast!



Our 30+ clients are large private or public sector organisations:

- From across all industries, including A&D
- They tell us their problems and we connect them with member firms who have the proven solution/capability
- We also stimulate our clients through thought leadership and events

We have 20 firms in our portfolio:

- In our opinion, the best of the best
- Mix of software, niche consulting and IT specialists
- Covering eight capability areas
 - Unique, relevant, compelling
- Impressive record of delivery with at least 3 enterprise clients



CLUSTRE
THE INNOVATION
BROKERS

Our scope

Proven, innovative solution providers in eight areas of capability:

- AI
- Accelerated Skills Development
- Big & Small Data
- Complex Software Engineering
- Digital at Scale
- Innovation Consulting and Software
- IoT and Edge Computing
- Venture Building

Some client examples

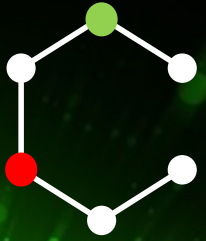
Firm	Scope	UK Clients/Prospects
Magnetic	Innovation Consulting	'FCO'
Vantiq	Edge Computing Platform	MOD (RAF and Army), MBDA
Wazoku	Idea Management Software and Crowdsourcing	MOD, Thales, NATO/DIANA
Rainbird	Decision Intelligence	MOD (Navy Logistics)
Monolith	Digital Twins (of physical products)	RR, MBDA, AWE, Airbus, BAE
WithYouWithMe	Recruiting and Development	MOD (Lancers and other regiments), Northrup, Leonardo
SkillSoft	eLearning	MOD (Defence Digital)

Other firms worth mentioning:

- Zuhlke – Complex Software and Data Engineering
- PreEmpt – Accelerated Planning

My MOD contact base

- Charlie Forte
- Several of Charlie's key people including David Arthurton, Dina Kakaris and Claire Fry
- CDLS (Past. Connected to present)
- Heads/Deputy Heads of:
 - jHub
 - DAIC
 - NavyX
 - DIU
 - BMFS
 - [Leidos]
- Several retired Generals (Jones, Wardlaw, Deverell, Hutchings, Patterson)



CLUSTRE
THE INNOVATION
BROKERS

In summary...

- We can help you win more work and deliver more value by connecting you to one or more of our firms
 - You tell us what you are bidding for and we will tell you whether we can add value, and/or
 - You tell us about a particular problem or challenge with an existing client and again, we will see whether we can help
- Or..we can help you create/embellish go-to-market offerings
- Please reach out to me: robert.baldock@clustre.net

Introducing Intellium AI

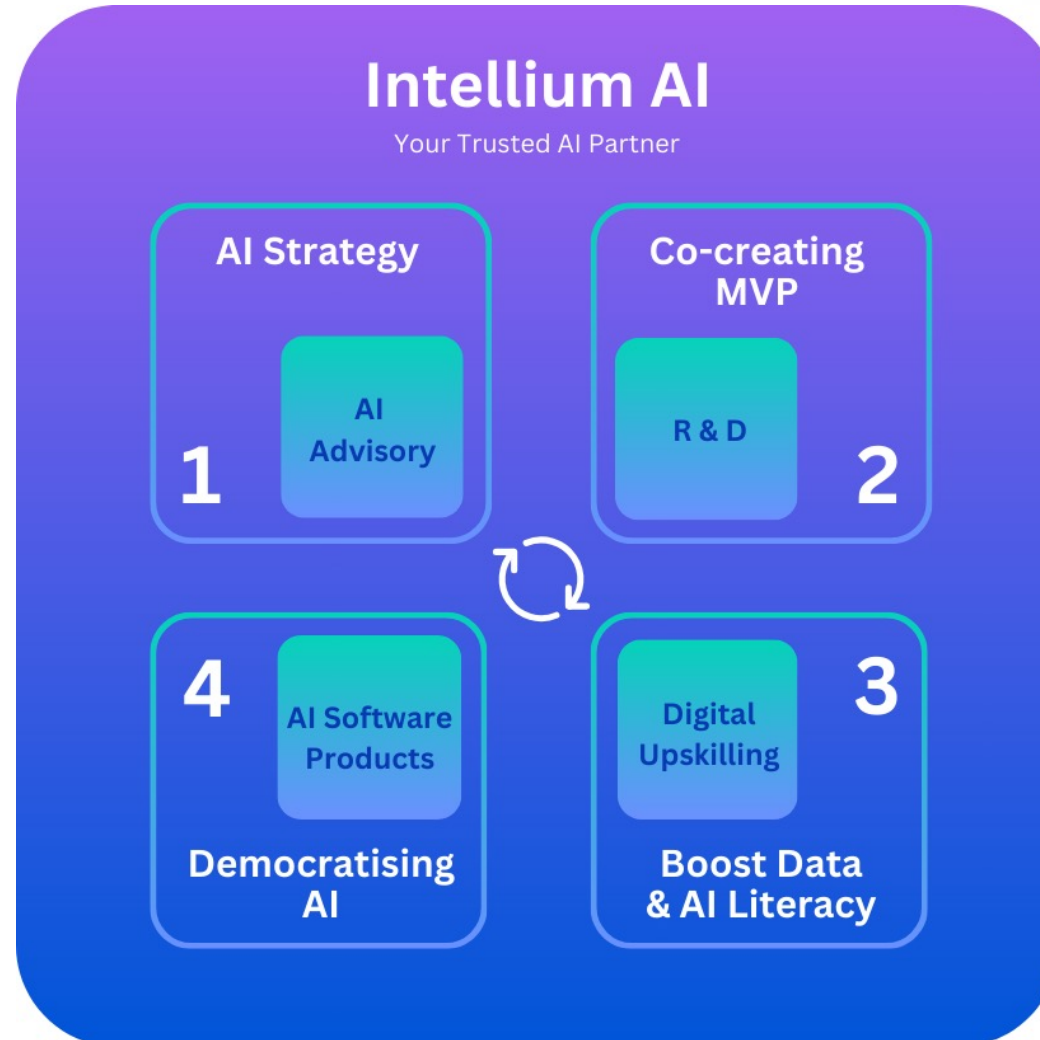
info@intellium.ai

Kiran Krishnamurthy - CEO

Graham Complin - Strategic Development Partner



What we do



Consultative approach for joint success

Use Cases

Product R & D



Design
Optimisation -
Airbus

Predictive Maintenance



Aircraft
Engines –
Rolls Royce

Supply Chain Optimisation



Scope#3 Net
Zero - **Airbus**

Inventory & Logistics



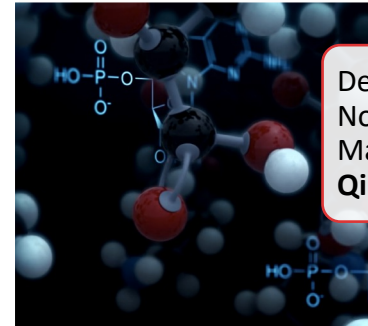
Stock Loss
Prevention –
Nissan Motors

AI for Cyber Security



Futureproof
Cyber
Infrastructure
- **DSTL**

AI for Material Science



Design
Novel
Materials -
Qinetiq

Automated Visual Inspection



Factory of
Future -
Airbus

AI for Sustainability



A & D Consortium

Differentiator – Niche AI solutions for Engineering and Operations

Our Proprietary Software

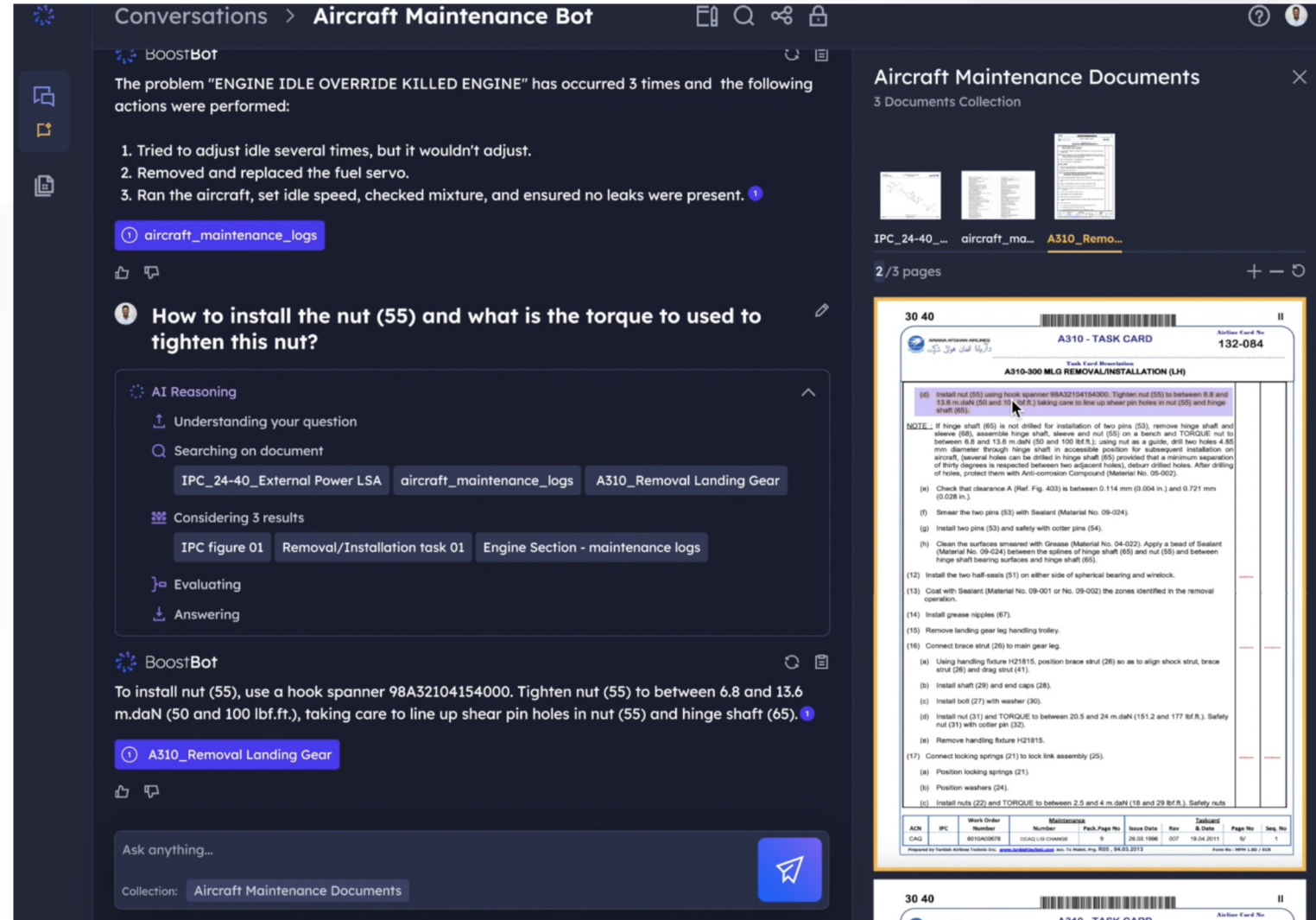


BoostBot:- Insights from Unstructured data

AiBoost:- Insights from Structured Data

BoostBot

- Quick **search and information retrieval** bot – provides the right information when you need it, where you need it, and on-demand
- Built on **Generative AI** technology
- Works on **air-gapped** standalone deployment
- Protects **data privacy & security**
- *Insights from maintenance, inspection logs, design manuals, quality reports, etc.*



The screenshot displays the BoostBot interface within a 'Conversations > Aircraft Maintenance Bot' window. The chat history shows a user report: 'The problem "ENGINE IDLE OVERRIDE KILLED ENGINE" has occurred 3 times and the following actions were performed: 1. Tried to adjust idle several times, but it wouldn't adjust. 2. Removed and replaced the fuel servo. 3. Ran the aircraft, set idle speed, checked mixture, and ensured no leaks were present.' A search for 'aircraft_maintenance_logs' is shown, leading to a document titled 'A310 - TASK CARD'.

The document, 'A310-300 MLG REMOVAL/INSTALLATION (LH)', contains the following instructions:

(55) Install nut (55) using hook spanner 98A32104154000. Tighten nut (55) to between 6.8 and 13.6 m.daN (50 and 100 lbf.ft.), taking care to line up shear pin holes in nut (55) and hinge shaft (65).

NOTE: If hinge shaft (65) is not drilled for installation of two pins (53), remove hinge shaft and sleeve (66), assemble hinge shaft, sleeve and nut (55) on a bench and TORQUE nut to between 6.8 and 13.6 m.daN (50 and 100 lbf.ft.), using nut as a guide, drill two holes 4.80 mm diameter through hinge shaft in accessible position for subsequent installation on aircraft. (several holes can be drilled in hinge shaft (65) provided that a minimum separation of thirty degrees is respected between two adjacent holes), deburr drilled holes. After drilling of holes, protect them with Anti-corrosion Compound (Material No. 09-002).

(a) Check that clearance A (Ref. Fig. 403) is between 0.114 mm (0.004 in.) and 0.721 mm (0.028 in.).

(f) Grease the two pins (53) with Sealant (Material No. 09-024).

(g) Install two pins (53) and safety with cotter pins (54).

(h) Clean the surfaces smeared with Grease (Material No. 04-022). Apply a bead of Sealant (Material No. 09-024) between the saddle of hinge shaft (65) and nut (55) and between hinge shaft bearing surfaces and hinge shaft (65).

(12) Install the two half-seals (51) on either side of spherical bearing and wirelock.

(13) Coat with Sealant (Material No. 09-001 or No. 09-002) the zones identified in the removal operation.

(14) Install grease nipples (67).

(15) Remove landing gear leg handling trolley.

(16) Connect brace strut (26) to main gear leg.

(a) Using handling fixture H21815, position brace strut (26) so as to align shock strut, brace strut (26) and drag strut (41).

(b) Install shaft (28) and end caps (28).

(c) Install bolt (27) with washer (30).

(d) Install nut (31) and TORQUE to between 20.5 and 24 m.daN (18 and 177 lbf.ft.). Safety nut (31) with cotter pin (32).

(e) Remove handling fixture H21815.

(17) Connect locking springs (21) to lock link assembly (25).

(a) Position locking springs (21).

(b) Position washers (24).

(c) Install nuts (22) and TORQUE to between 2.5 and 4 m.daN (18 and 29 lbf.ft.). Safety nuts

ACN	IPC	Work Order Number	Maintenance Number	Task Page No	Issue Date	Rev	Issued & Date	Page No	Seq. No
CAQ		6015A0678	CGAG LIG CHANGE	9	28.03.1996	007	18.04.2011	9/	1

BoostBot:- Your AI Knowledge Assistant

Intellium AI

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