4th Cyber Defence Smart Defence Projects' Conference

Cyber Academia and Innovation Hub – Academia, Industry and R&D

Andrew Harcourt – Managing Director - SAMGarde

19th Apr 2018



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MILITARY ACADEMY RESEARCH CENTER





ABOUT SAMGarde



SAMGarde
100% independent

As we said in our presentation to the Gartner Finance & IT Conference, “A tool is not a silver bullet!” Our focus is not just tools but people, policy & process.

Since our founding 10 years ago we have always been 100% Independent & proudly so, with no hidden vested interests; NEVER working sub-contract for vendors nor selling their software or tools. Our sole focus is always our customer!

Based in Clifton near Bristol, with offices in Bloomsbury London, Lisbon & Vilnius our team of employees have the language skills & experience to ensure you succeed.

We have always been strong in the data centre. Unix, Linux, Windows, IBM, CA, Oracle, SAS, SAP or cloud we have a track record in handling them all. We are proudly one of the few Enterprise SAM practices with significant mainframe experience.

Our Values: Acumen, Minute Attention to Detail & Absolute Discretion

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SAMGarde – The SAMGarde Family









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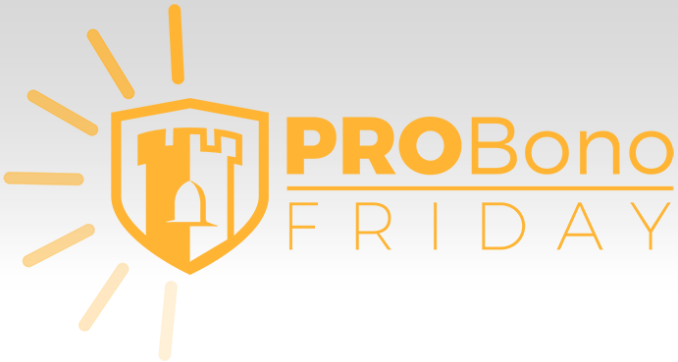
SAMGarde – Our Values





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Meetings @SAMGarde



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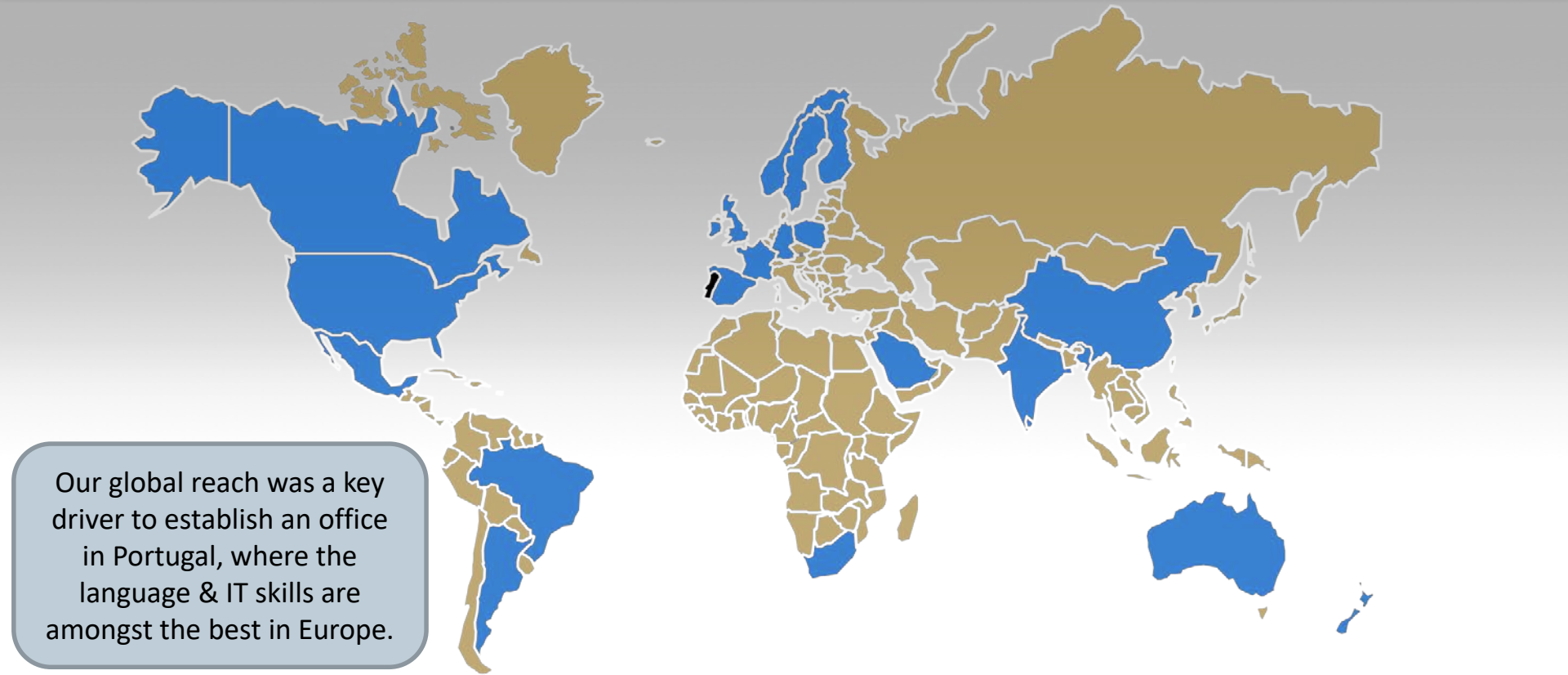
SAMGarde – Global Reach



Our global reach was a key driver to establish an office in Portugal, where the language & IT skills are amongst the best in Europe.

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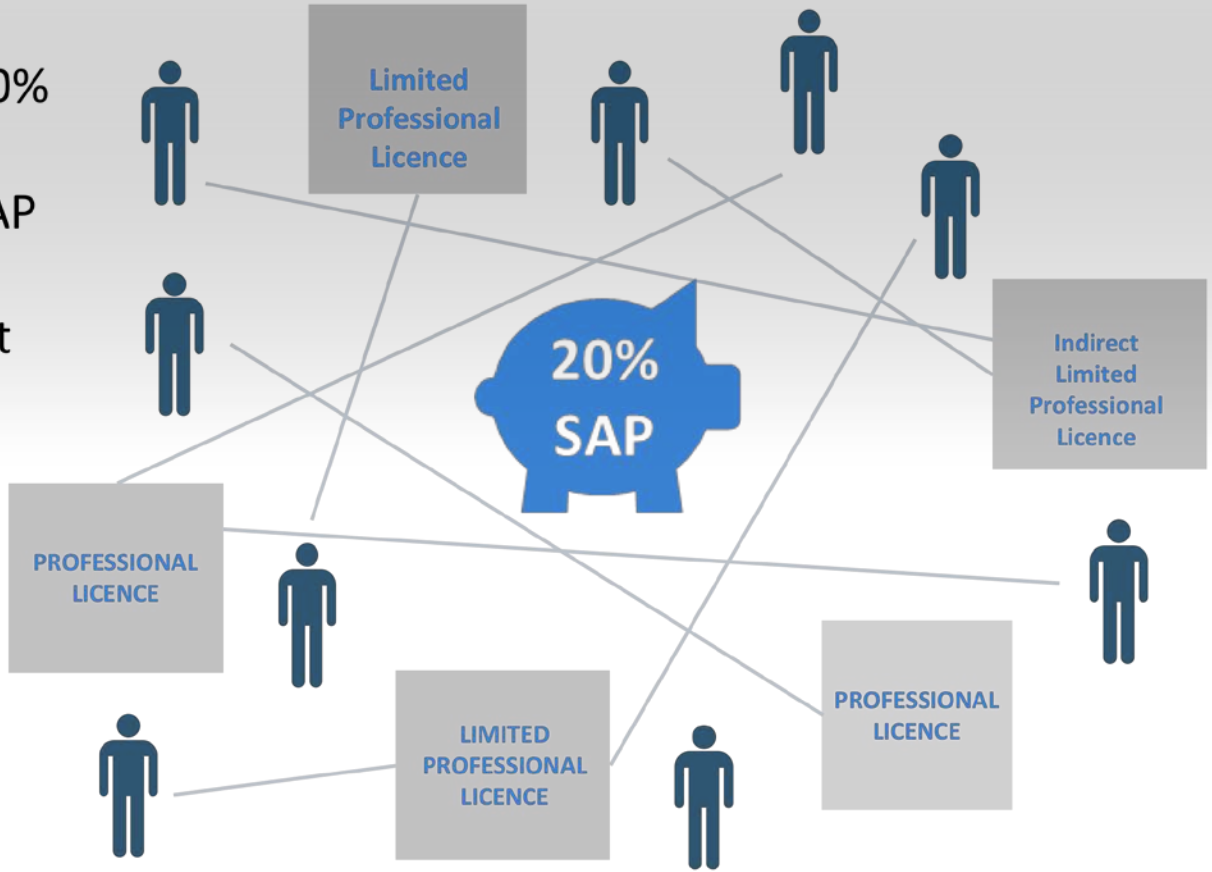
Are you in control? – What does being in control mean..?

All the customer knew was that 20% of their software spend went to SAP & they had an unknown indirect licensing risk....



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Are you in control? – What does being in control mean..?



ACTIVE

- Identified, active, inactive & leaver users
- Allocated the correct licence type & access rights
- SAMGarde saved the customer **£8m pa**

Were users active? *X*
Were users assigned the right licence? *X*
Were users even still employees? *X*
Indirect access? *X*



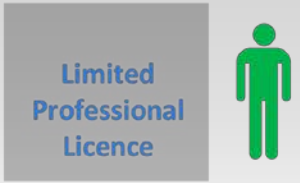
INACTIVE

- Exercise highlighted significant failures in both ”Change” & “Joiners, Movers, Leavers” processes
- Many users had access to data they did not need
- Some users had access to view, change & delete data despite having left months, and in some cases, years previously



LEAVERS

Too often organisations will focus on expensive & complex new tools, when simply addressing internal governance (Policy & Process) can not only yield large cash savings but also significantly reduce Cyber risk.







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Are you in control? – Governance 101 – 30,000 ft Process Framework

Corporate Governance

To ensure that Senior Management buy-in is both secured & maintained, to warrant that the IT Policy & all processes are informed by a Risk Assessment & subject to annual review to ensure that they remain fit for purpose

Quality Assurance

To enable measurement of how well/badly a process is running & provide data, via KPI's, to understand why and support process re-engineering.

Operational

To provide a way to apply consistent standards and practices within an organisation.

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Are you in control? – Governance 101 – People cause most Cyber incidents.



- Lack of training
- Lack of knowledge
- Lack of mandate
- Lack of vetting

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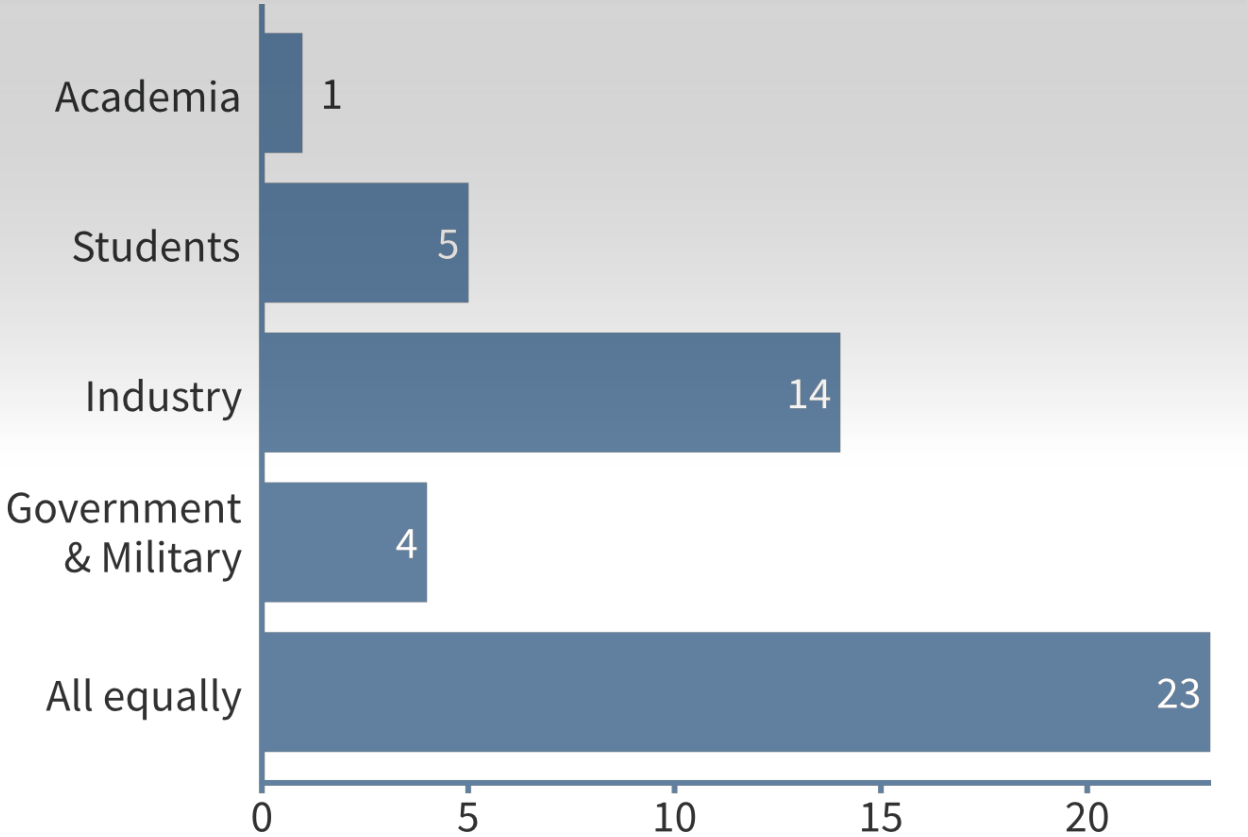
Audience Poll - Who do you think will benefit most from the innovation hub?



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Audience Poll - What is Cybersecurity's most pressing R&D need..?



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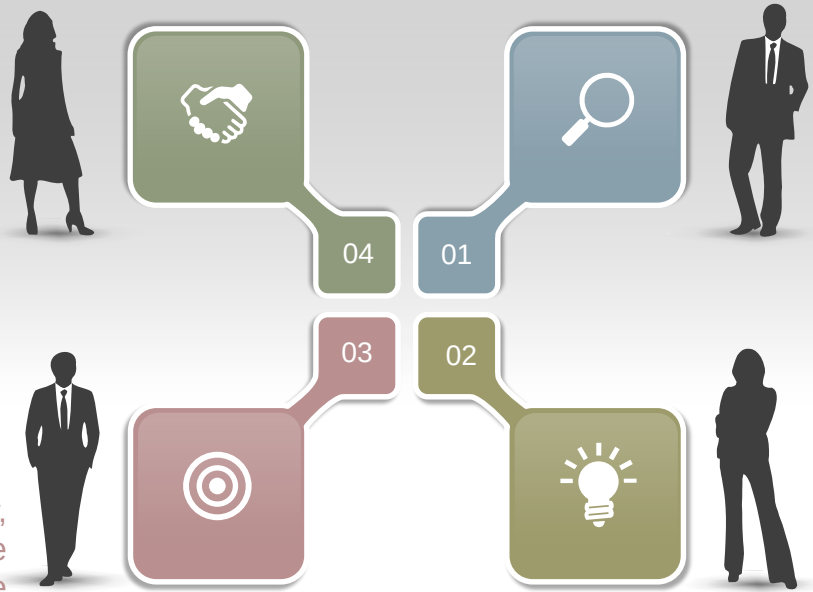
Academia & Industry Partnership Benefits

Government

Industry partnerships make up for reduced government funding.



Academia

Product innovations, faculty gain prestige through increased external research funds.

Industry

Access to research capability, opportunity to identify & give graduates real world experience that will make them more valuable.

Students

Opportunities to build relationships with future employers. Gaining real world experience earlier to make more valuable in the workplace.

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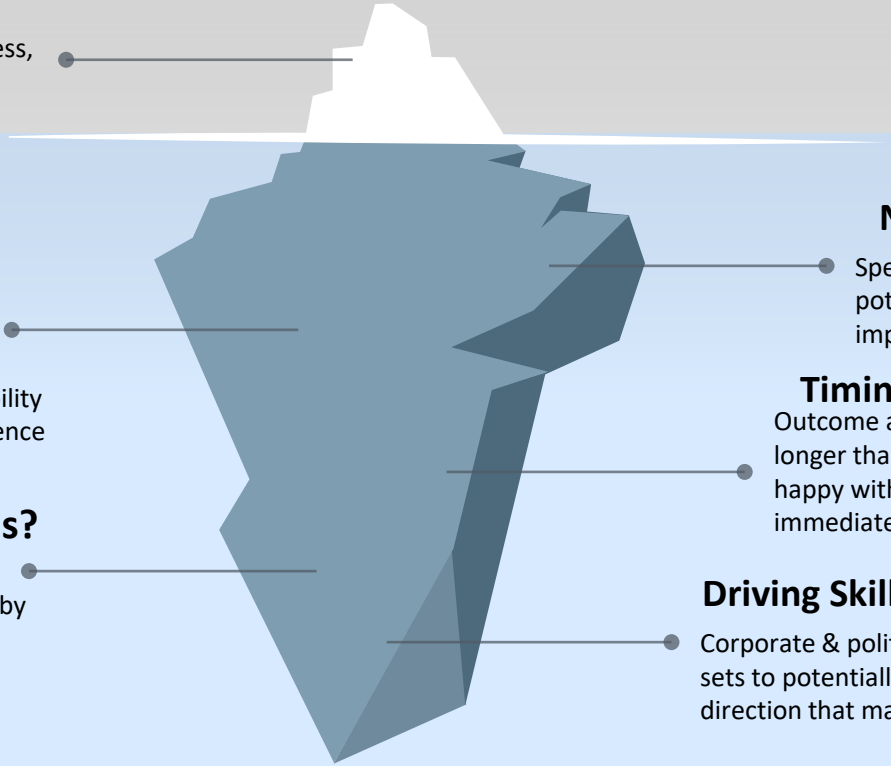
Research & Innovation – The Opportunity & The Risk

The Opportunity

Collaboration leading to research success, innovation, training & outreach.



Freedom to take risks

If business & industry too tightly define research scope what is the ability to take risk? Research & innovation needs the ability & freedom to simply explore with confidence to take risk & fail.

Who decides funding calls?

With most funding calls being directed by business need and also by political priorities what happens to pure innovation?

Niche areas overlooked

Specialized corners of interest where there is potential to conduct research and create important, new knowledge.

Timing

Outcome and impact may take longer than corporate funders are happy with. Immediate impact and immediate output

Driving Skillsets

Corporate & political funders can force skill sets to potentially being driven in a direction that may not be optimal.

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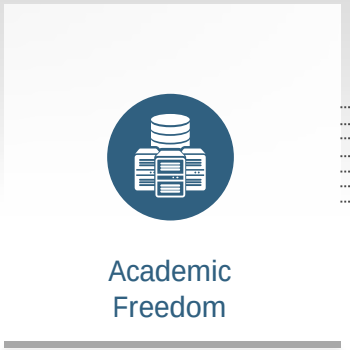
Research & Innovation – Constraining Research & Innovation



- Contractually restrained from stating conclusions un-favourable to one or more clients.
- No work for a funders competitors during research & 2 years afterwards.
- Restrictions on similar areas during and for a period after the research.
- Confidentiality agreements that prevent declaration of restrictive clauses.
- Funders having editorial control of papers.
- Contractually restrained from stating conclusions un-favourable to one or more clients.
- Given funding challenges academic institutions are pressured to accept these clauses.

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Research & Innovation – Academic Freedom

Academic freedom is not only a privilege for individual scholars but a public good that improves the functioning of the academic enterprise.

We must preserve the freedom to speak about matters of science and policy without obligation to commercial interests.

Marc Lipsitch (Harvard University)

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Research & Innovation – Collaboration

On Cyber Security issues we collaborate, collaborate & collaborate..... *(Ian Goslin – Airbus)*

AIRBUS



BOEING

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Research & Innovation – Take away...

The threats that we face with Cyber are so serious, & potentially so dangerous, that as public servants & business owners we have a responsibility to defend academic freedom and allow academics to take risks.

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