FPSC Review of the Audit Process Workshop

Use of technology to offer blended or remote audits

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Our presenter

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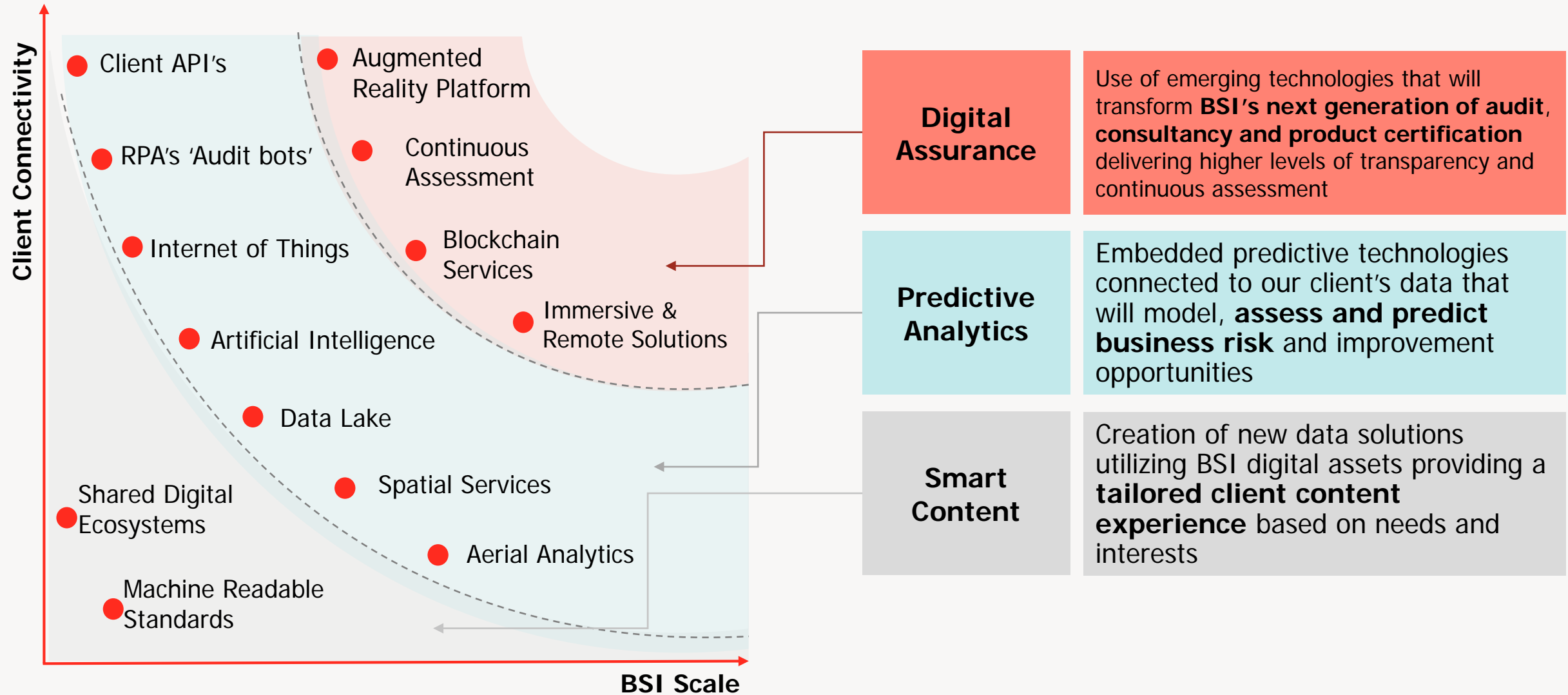
Remote auditing

Immersive Technology Solutions

Enabling remote audit delivery

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Innovation Focus Areas

Client Connectivity (y-axis)

BSI Scale (x-axis)

- Client API's
- Augmented Reality Platform
- RPA's 'Audit bots'
- Continuous Assessment
- Internet of Things
- Blockchain Services
- Artificial Intelligence
- Immersive & Remote Solutions
- Data Lake
- Shared Digital Ecosystems
- Spatial Services
- Aerial Analytics
- Machine Readable Standards

Digital Assurance
Use of emerging technologies that will transform **BSI's next generation of audit**, **consultancy and product certification** delivering higher levels of transparency and continuous assessment

Predictive Analytics
Embedded predictive technologies connected to our client's data that will model, **assess and predict business risk** and improvement opportunities

Smart Content
Creation of new data solutions utilizing BSI digital assets providing a **tailored client content experience** based on needs and interests

Immersive solutions – suite of solutions

Level 1: Live Web Streaming Technology

- Live stream technology such as MS Teams, Web-Ex, Zoom
- Document, record, & procedure review
- Live interviews with your team

Level 2: Live Streaming with Mobile Technology

- Video applications on smart devices [phones and tablets] to immerse our audit team
- Enables virtual site tours to observe processes and activities

Level 3: Live Streaming paired with Smartglass Technology

- Fully immersed in the audit by using hands-free technology
- Equipment provided in advance of the audit
- Live feeds to our augmented reality platform

Level 4: Aerial Analytics with Drone, Satellite and Lidar Technology

- Allows a comprehensive view of sites above ground
- Aerial images are then processed by BSI for any non-conformities
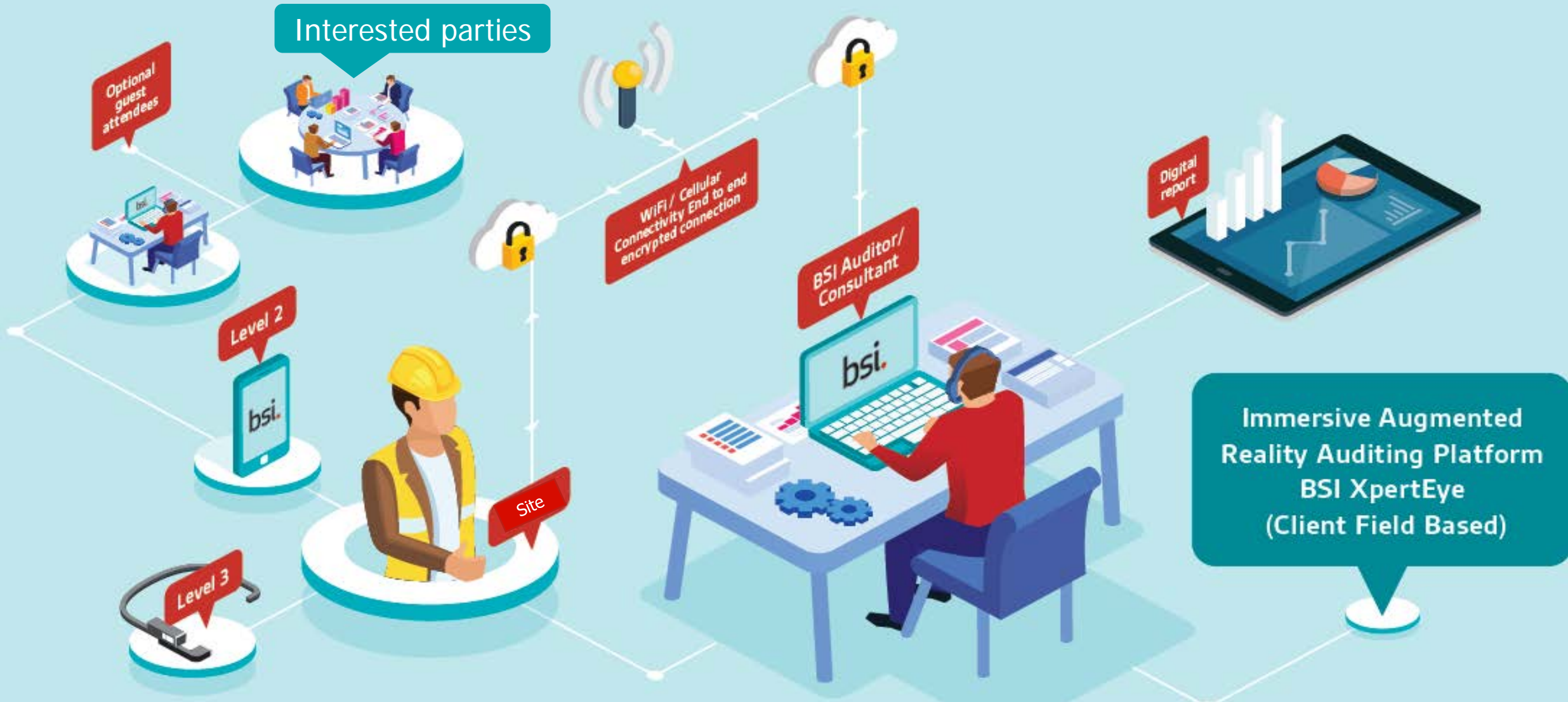
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BSI Xperteye

- BSI Xperteye is BSI's Augmented Reality (AR) Audit & Consultancy Platform

- BSI experts can connect to remote clients using laptops, smartphones & smartglasses

- Developed on request of clients who wanted to use Immersive Solutions for external & internal audits
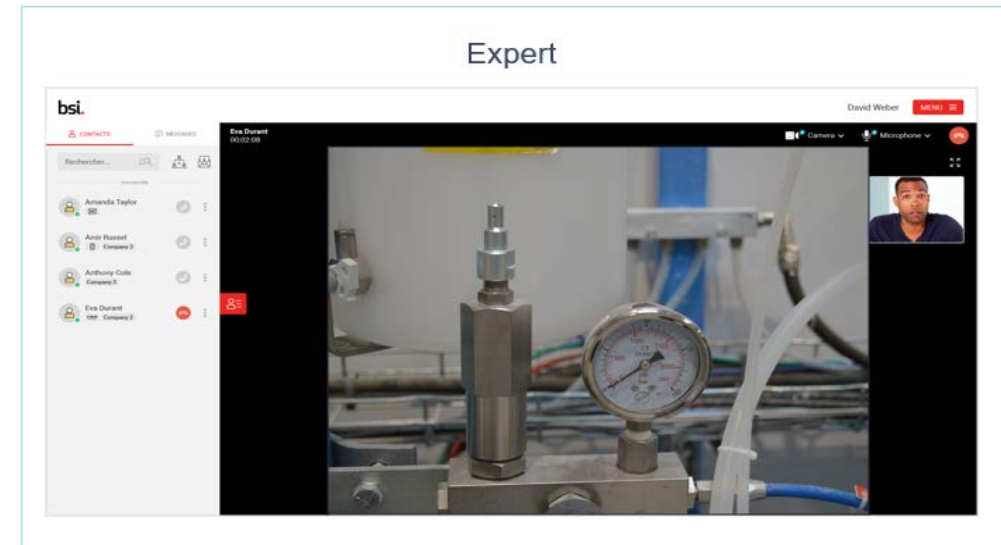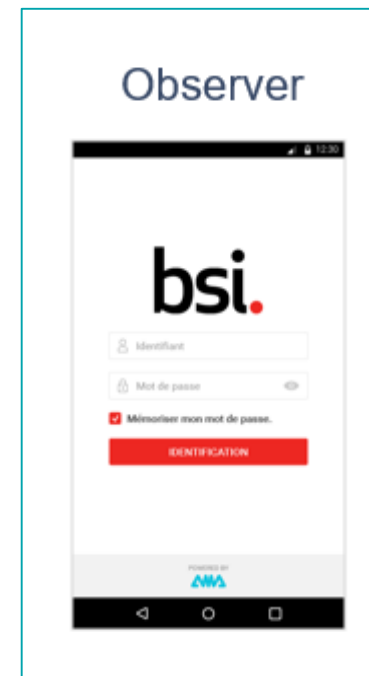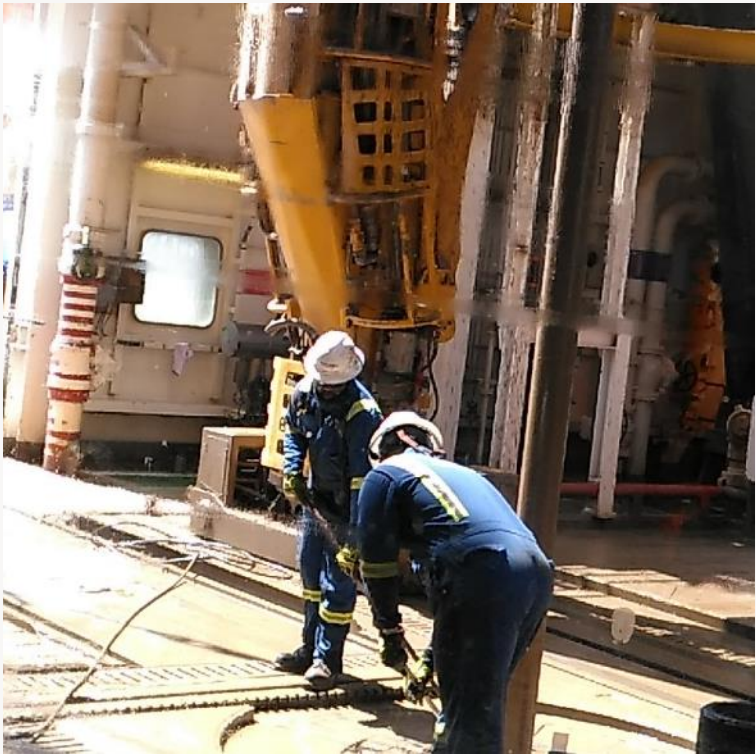
BSI Immersive Solutions Benefits

Enabler of **game changing future Immersive Technology:** AI Image Recognition, Computer Vision, Connected Client, Continuous Audit, Immersive Operations Center

Sustainable Development Goals Alignment

- Reducing carbon footprint (SDG 13 Climate Action)
- Employee Wellbeing - work / travel balance (SDG 3 Good Health and Well Being)

Gives client access to broad SME expertise - can talk to one scheme auditor for an hour, a different scheme auditor for a different auditor

Can provide a more detailed digital report, complete with photos & video clips of non-compliance

Aerial solutions

- Audit, Crop Management and Compliance Management SaaS solution

- Immutable, time stamped records & Lifetime Digital Remediation

- Time lapsed aerial data comparisons to detect land use change/deforestation

- Measurement and annotation tools (e.g. area, slope)

- Nutrient deficiency detection

- Tree counting and other Machine Learning processes

- Plot and measure High Conservation Value areas to ensure protection of biodiversity

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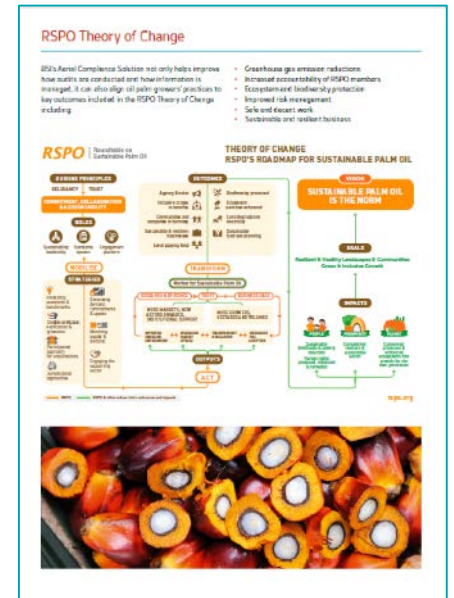
Future food safety auditor project

- Developing new food safety auditors is an ongoing industry challenge

- Incubator project initiated with AIFST and FIAL to establish a pathway for students for long term industry benefit

- Collaboration with universities, manufacturers, retailers, regulators, certification bodies, schemes

- New skills required for more connected, immersive and continuous auditing

| Universities include FS auditing | Internships with CBs | Internships with industry | Career guidance to students | New auditor cohort (6-8 years) |

Thank you!

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