



Introducing ISO 45001

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IOSH

Edinburgh Branch meeting

Edinburgh Napier University

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Outline

- Background
- Why is a new standard needed?
- ISO 45001's main characteristics
- Differences from OHSAS 18001
- Progress and timeframe
- Making it happen

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***“Good leaders don’t create followers
– they create more leaders.”***

Source: Tom Peters

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Global toll

- 2.3 million people killed by work accidents and disease
- 6,300 deaths per day (one every 15 seconds)
- 317 million non-fatal work accidents
- 160 million people with occupational disease
- ~ 4% of world GDP = work accidents and diseases

Source: ILO



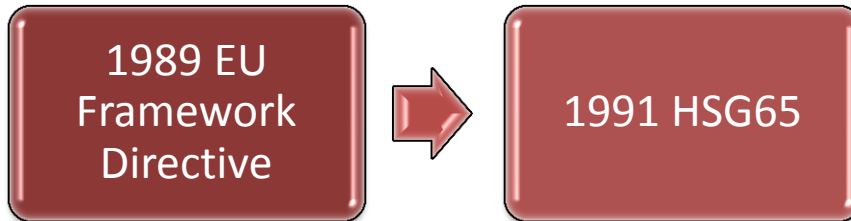
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Benefits of safety and health management

- Humanitarian (less work-related injury, illness and death)
- Business:
 - productivity and profitability
 - customer and worker loyalty
 - reputation, resilience and results

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Background



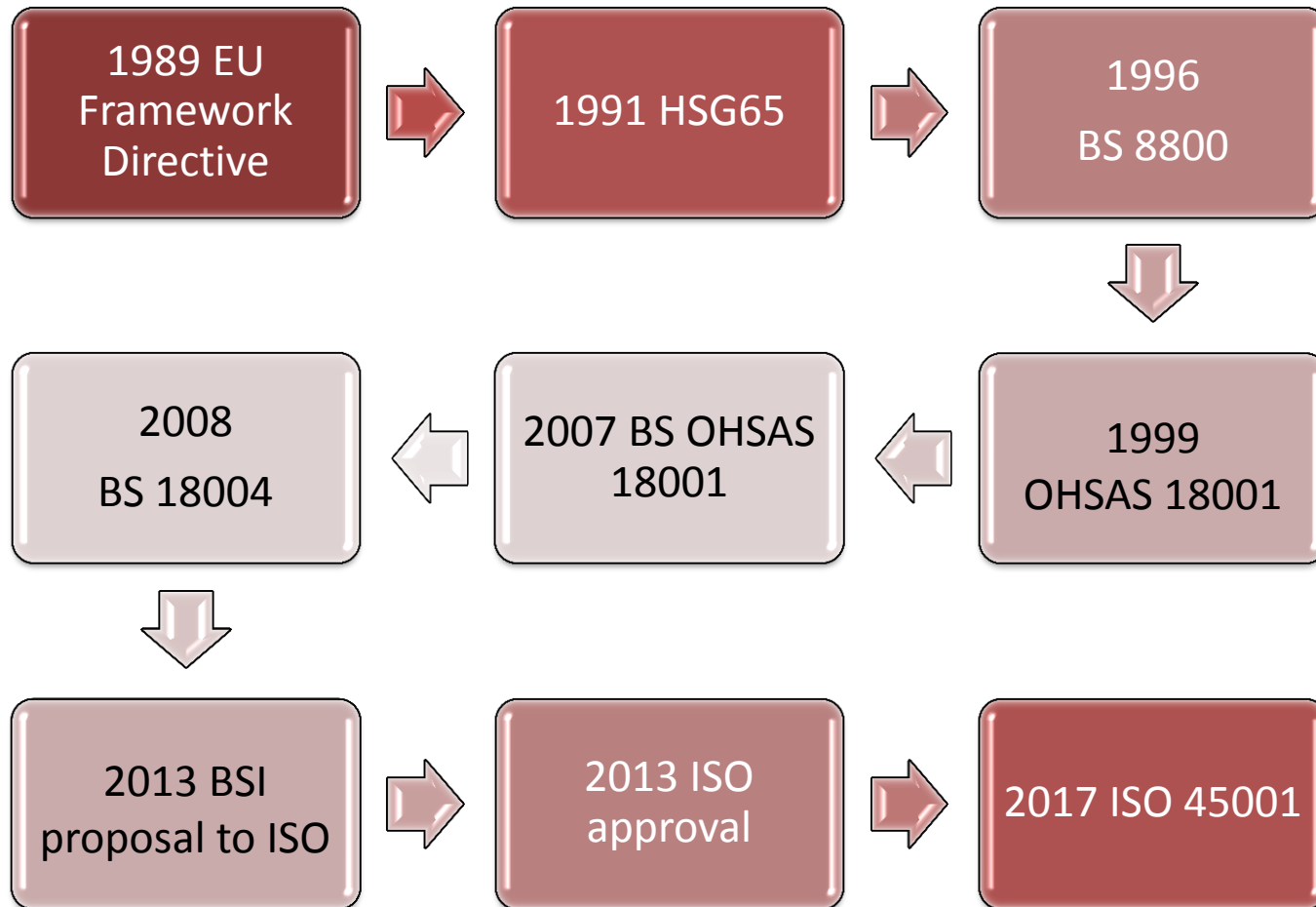
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Principles

- H&S should be considered integral to productivity, competitiveness and profitability
- Key factors for success:
 - good leadership
 - sound business processes
 - trained and skilled workforce
 - operating in an open and trusting environment

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Background



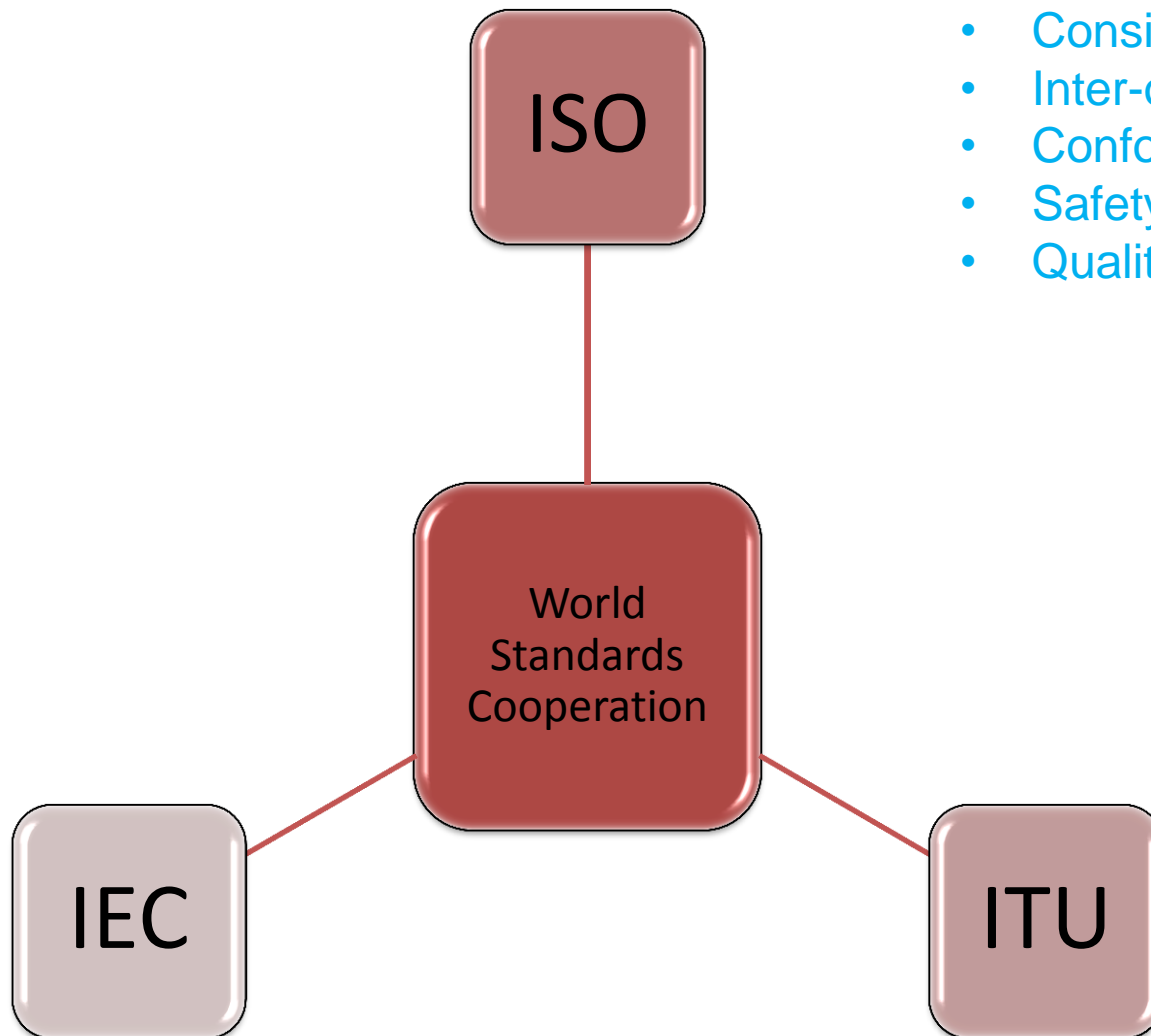
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Why is a new standard needed?

- Global toll of safety and health failures
- OHSAS 18001 – well used, but not an agreed international standard
- Alignment with other management standards

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International standards



- Consistency
- Inter-operability
- Conformity
- Safety
- Quality

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Developments

- No clear approach to ISO 9001 structure – 20 discrete clauses
- Early 1990s user queried how it fitted together into a system
- ISO 9001 developed 'process approach', followed by ISO 14001 using PDCA
- Users asked why standards covered issues in *different* clauses and why some requirements were *almost* the same
- Additional indexing needed when incorporating both standards into overall systems

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OHSAS 18001 – Annex A.1

OHSAS 18001:2007		ISO 14001:2004		ISO 9001:2000	
—	Introduction	—	Introduction	0 0.1 0.2 0.3 0.4	Introduction General Process approach Relationship with ISO 9004 Compatibility with other management systems
1	Scope	1	Scope	1 1.1 1.2	Scope General Application
2	Normative references	2	Normative references	2	Normative reference
3	Terms and definitions	3	Terms and definitions	3	Terms and definitions
4	OH&S management system elements (title only)	4	Environmental management system requirements (title only)	4	Quality management system (title only)
4.1	General requirements	4.1	General requirements	4.1 5.5 5.5.1	General requirements Responsibility, authority and communication Responsibility and authority
4.2	OH&S policy	4.2	Environmental policy	5.1 5.3 8.5.1	Management commitment Quality policy Continual improvement

Similar tables existed in ISO 9001 and ISO 14001

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Management system standards

Established:

- ISO 10006 – Quality in project management
- ISO 10007 – Configuration management
- ISO 15161 – Food safety (ISO 9000 and HACCP)
- ISO 19600 – Compliance management systems
- ISO 20000 – IT services
- ISO 20121 – Sustainable event management
- ISO 22000 – Food safety
- ISO 22301 – Business continuity management
- ISO 26000 – Social responsibility
- ISO 27500 – Human centred organisations
- ISO 28000 – Security in the supply chain

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Management system standards

Established cont...

- ISO 30000 – Ship dismantling
- ISO 30300 – Records management
- ISO 31000 – Risk management
- ISO 37500 – Outsourcing
- ISO 39001 – Road traffic safety management
- ISO 50000 – Energy management
- ISO 55001 – Asset management
- ISO/IEC Guide 73 – Risk management terminology
- IEC 60300 – Dependability
- IEC 62402 – Obsolescence management

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Management system standards

Under development:

- ISO/TR 18155 – Human resources
- ISO 18480 – Facilities management
- ISO 18788 – Private security
- ISO 20400 – Sustainable purchasing
- ISO 21001 – Educational establishments
- ISO 37001 – Anti bribery management systems
- ISO 45001 – Occupational health and safety
- ISO/AWI 50501 – Innovation management

Revisions:

- ISO 9001 – Quality
- ISO 14001 – Environment
- ISO/IEC 27001 – Information security management

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Standardising the standards

- 'Annex SL' to develop/revise standards
 - Same high-level structure (clause titles/sequence)

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ISO 45001 clauses

- 1 Scope
- 2 Normative references
- 3 Terms and definitions
- 4 Context of the organisation
- 5 Leadership [and worker participation]
- 6 Planning
- 7 Support
- 8 Operation
- 9 Performance evaluation
- 10 Improvement

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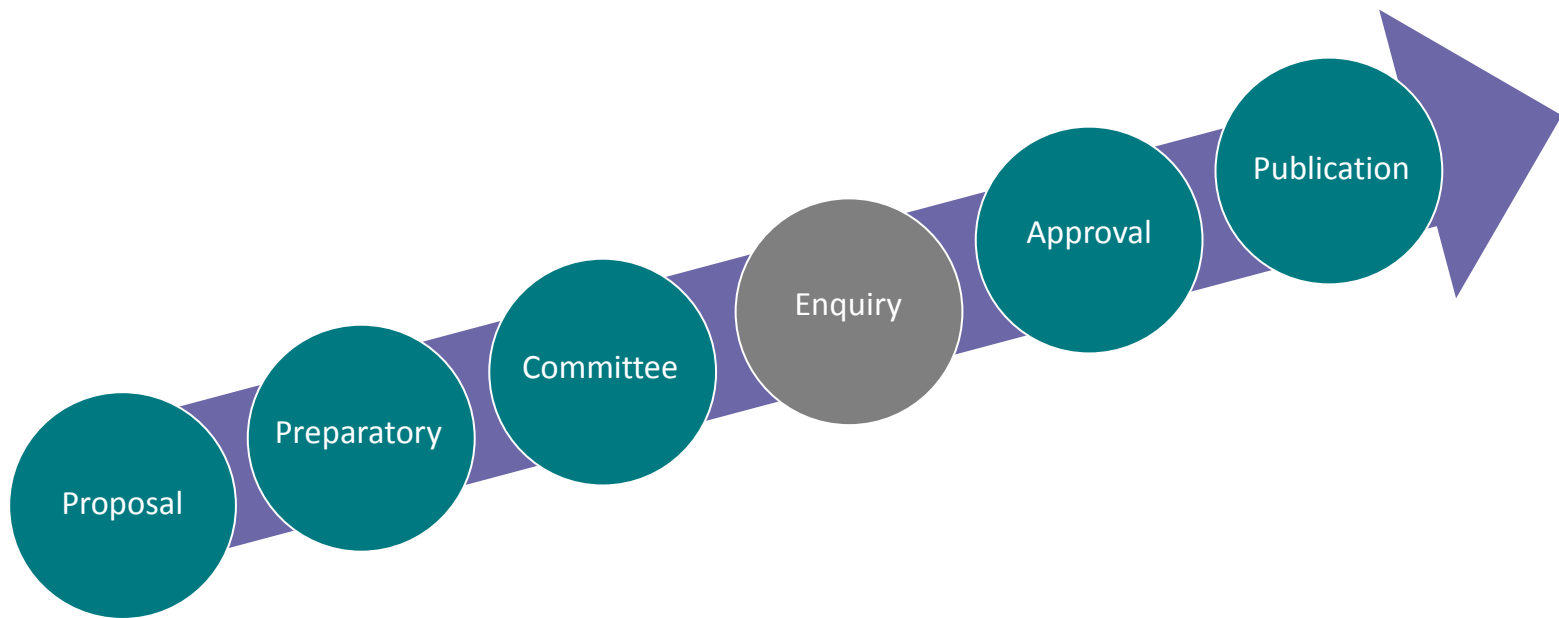
Standardising the standards

- 'Annex SL' to develop/revise standards
 - Same high-level structure (clause titles/sequence)
 - Identical core text (+ topic variations)
 - Commons terms and definitions
- Aims to:
 - reduce confusion/inconsistency
 - enable integration of multiple certifications

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ISO 45001 progress

2017



2013

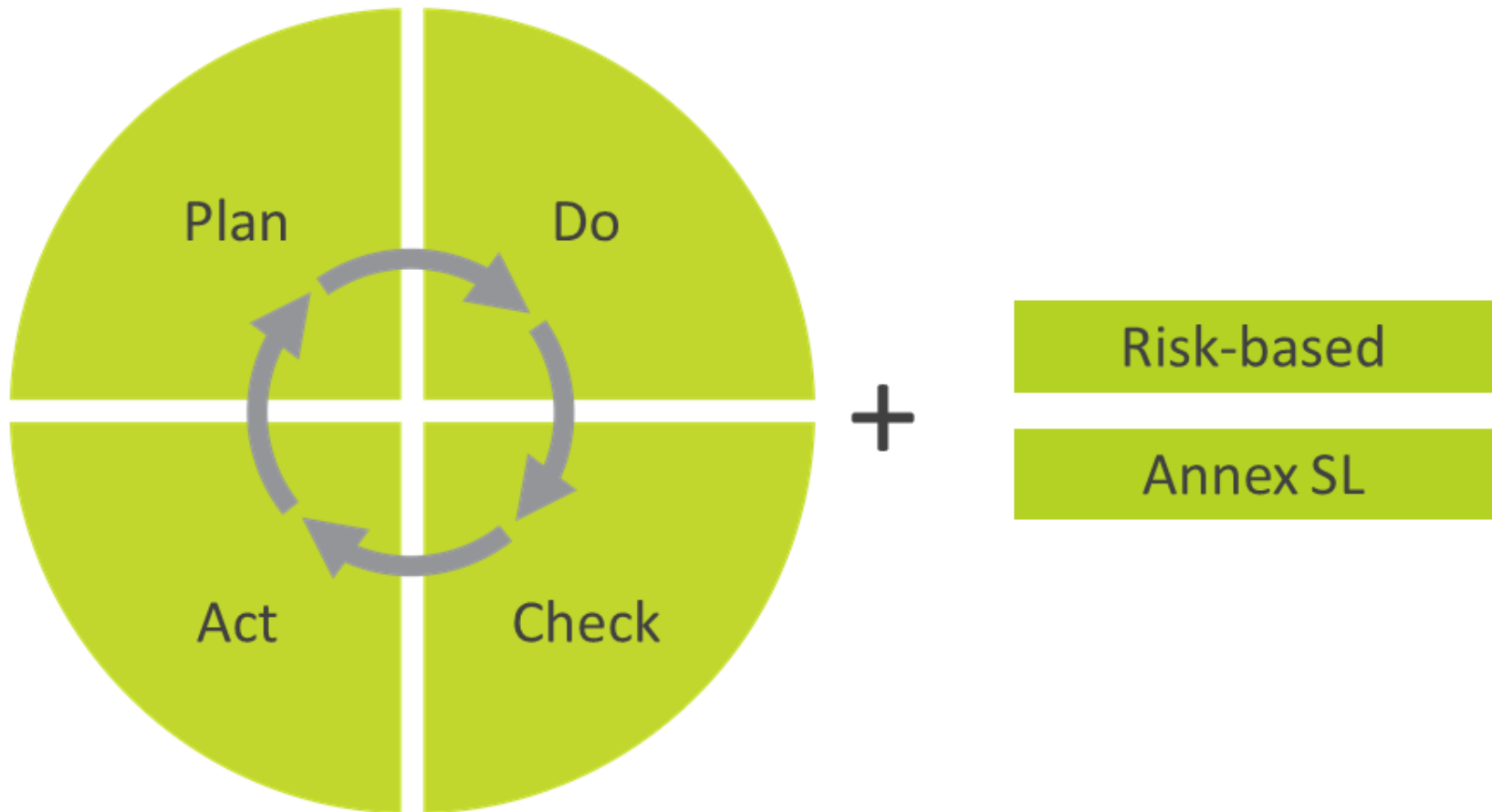
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Aims of ISO 45001

- Minimise risk of harm
- Provide platform for continual improvement
- Integrate safety and health

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Main characteristics of ISO 45001



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Scope of OHSMS



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ISO 45001 vs OHSAS 18001

- Context
- Leadership
- Documented information
- More on:
 - worker participation
 - continual improvement
 - hierarchy of control
 - risk and opportunities
 - compliance status
 - supply chain
 - KPIs

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ISO 45001 timeline

- Consultation and ballot between May and June 2017
- New target date for publication – end 2017
- Once published, OHSAS 18001 will be withdrawn (3-year migration period)

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Making it happen

- Understand ISO 45001 requirements
- Identify and address gaps
- Certification bodies can help

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What to do next

- Raise awareness
- Secure commitment
- Upskill as needed

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Upskilling...

- Safety and health professionals
- Top management
- Auditors

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Opportunity to improve

- Good safety and health management systems and cultures help organisations to:
 - prevent injury, illness and death
 - improve reputation, resilience and results



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IOSH support

- IOSH ISO 45001 briefing paper – *IOSH Magazine*
- IOSH webinars – September 2014 and March 2016
- IOSH paper for APOSHO conference 2016
- IOSH's ISO Masterclass Roadshow – March 2017
- IOSH Blueprint – on competence and skills

Keep your eyes on IOSH events for more...

A photograph of a person's hand raised in the air, likely in a classroom or meeting. The hand is the central focus, with fingers spread. The background is a bright, slightly blurred indoor space with ceiling lights and other people's heads visible in the foreground and background. The overall tone is professional and interactive.

Thank you

Any questions?

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