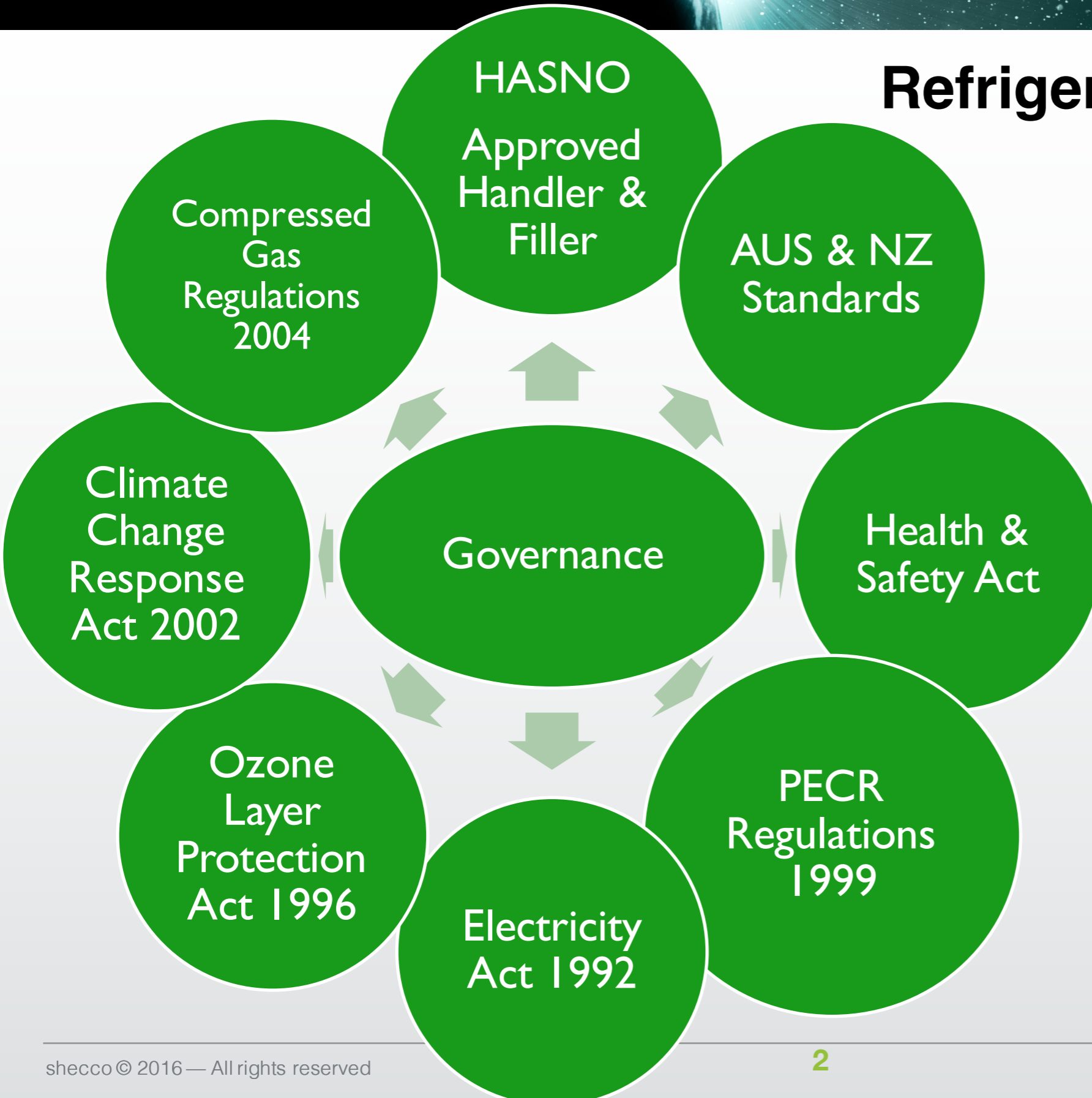




Regulation of natural refrigerants in NZ

Refrigerant regulation in NZ



- Industry largely self regulated
- Compliance of standards and regulations responsibility of operators.



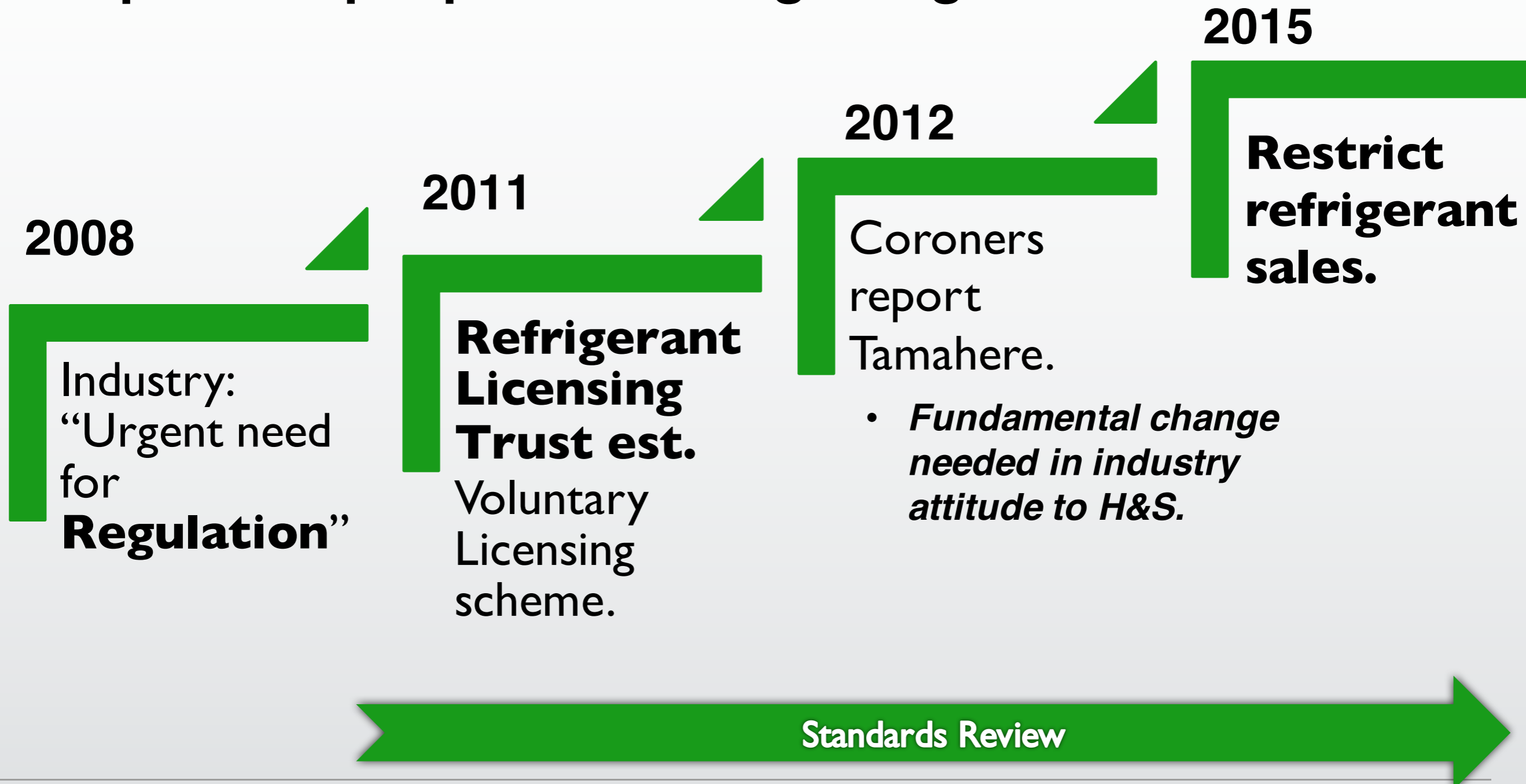
April 5, 2008

“Tamahere” continues to be cited as the case for not using NR.

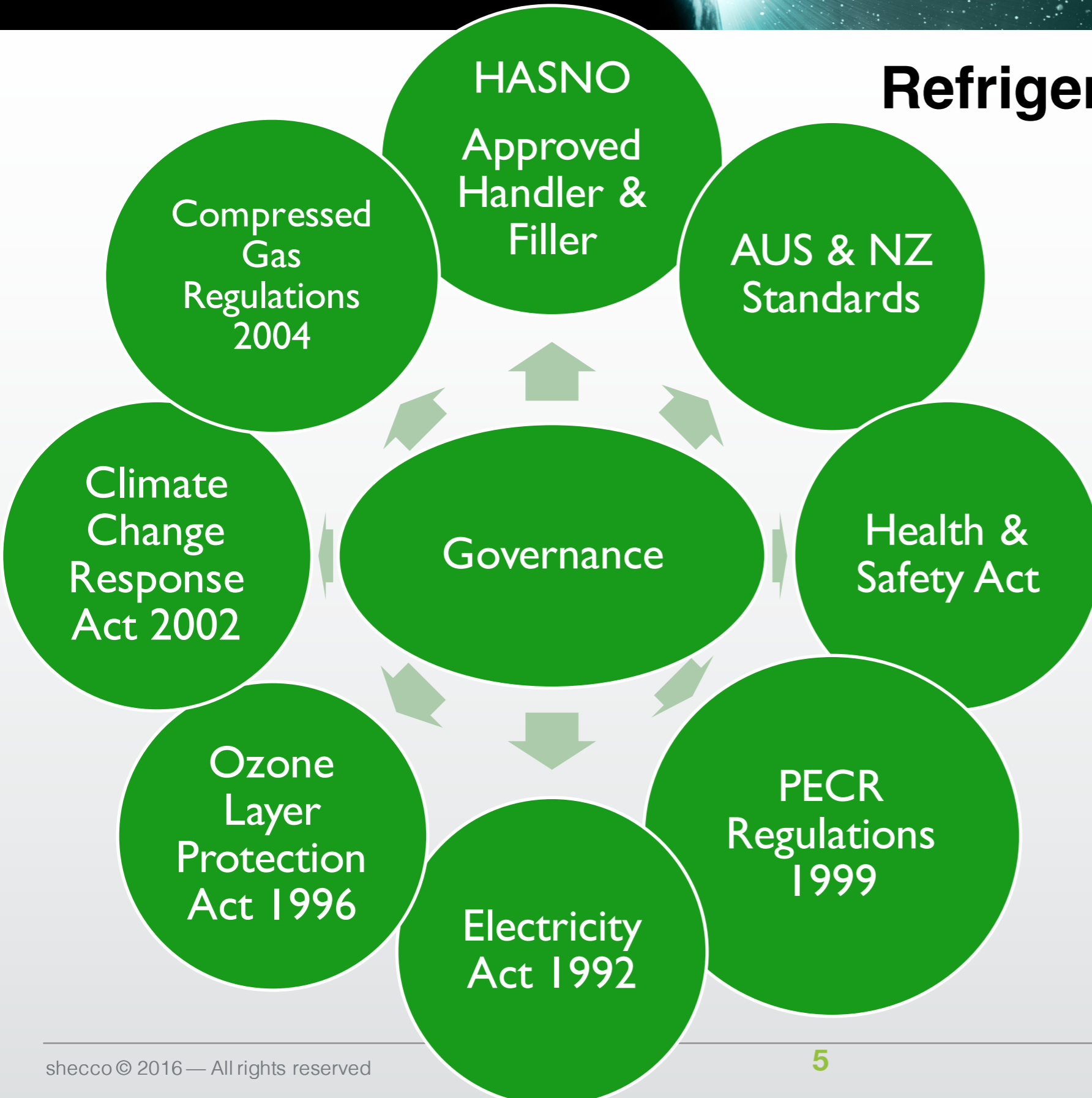
IcePak coolstore fire (Tamahere).

- Killed firefighter Derek Lovell, injured 7 firefighters.
- DoL – companies showed “wilful disregard for safety”.
- Judge: “good people who made mistakes – MRS lacked knowledge & out of their depth.”
- Failure to comply with AS/NZS 1677.
- Number H&S breaches.

Government directed industry to solve the issue of unqualified people accessing refrigerants.

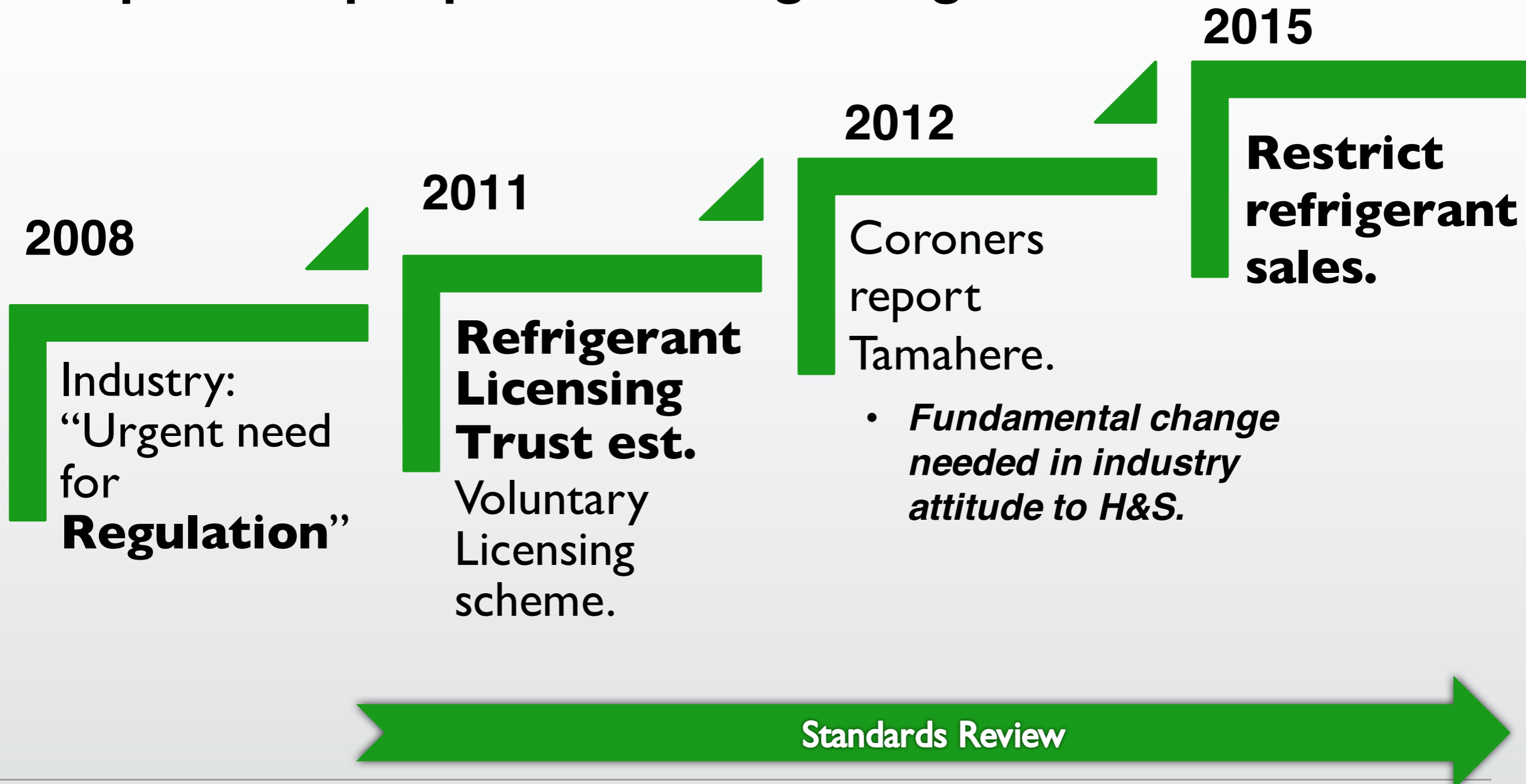


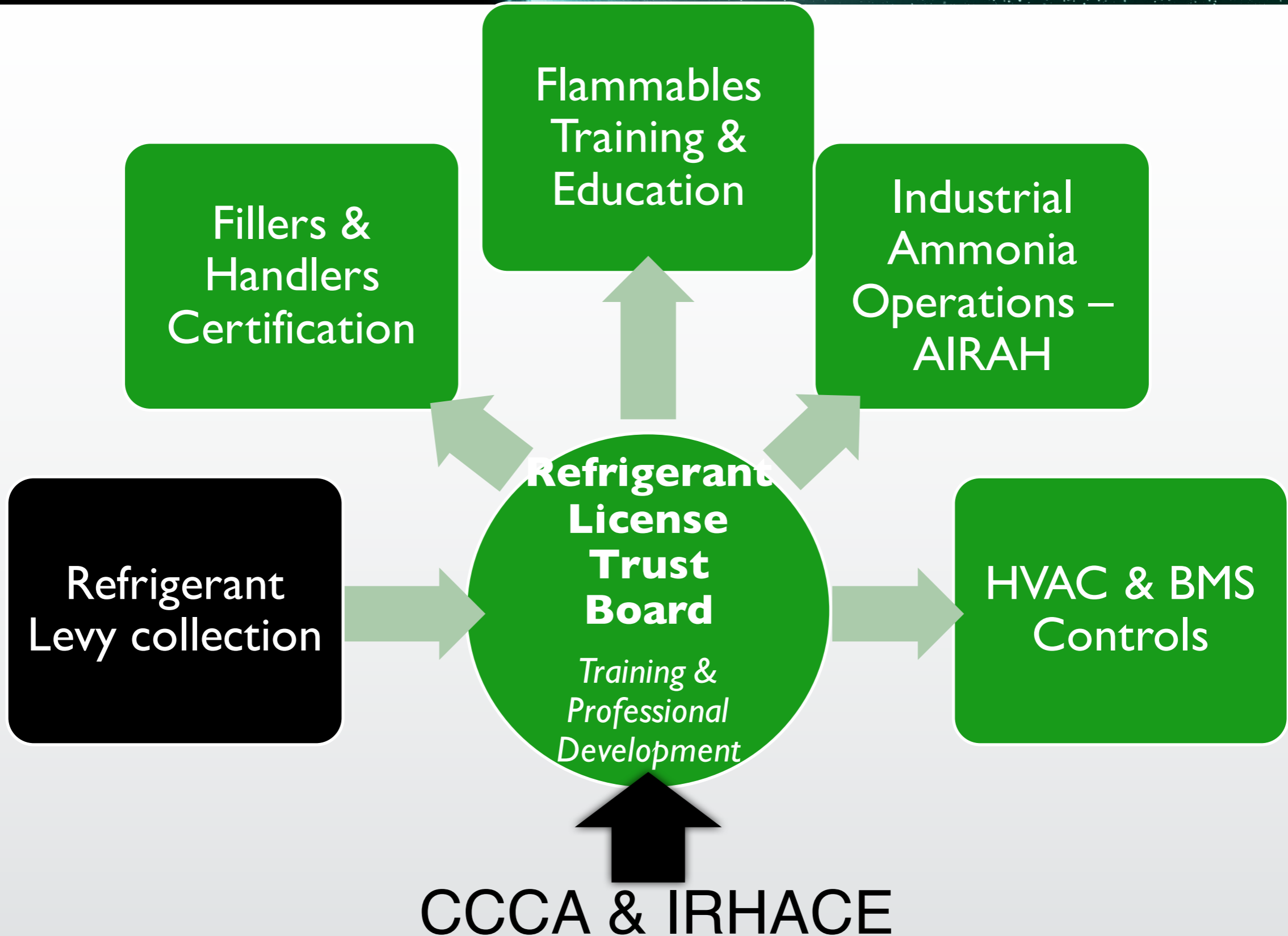
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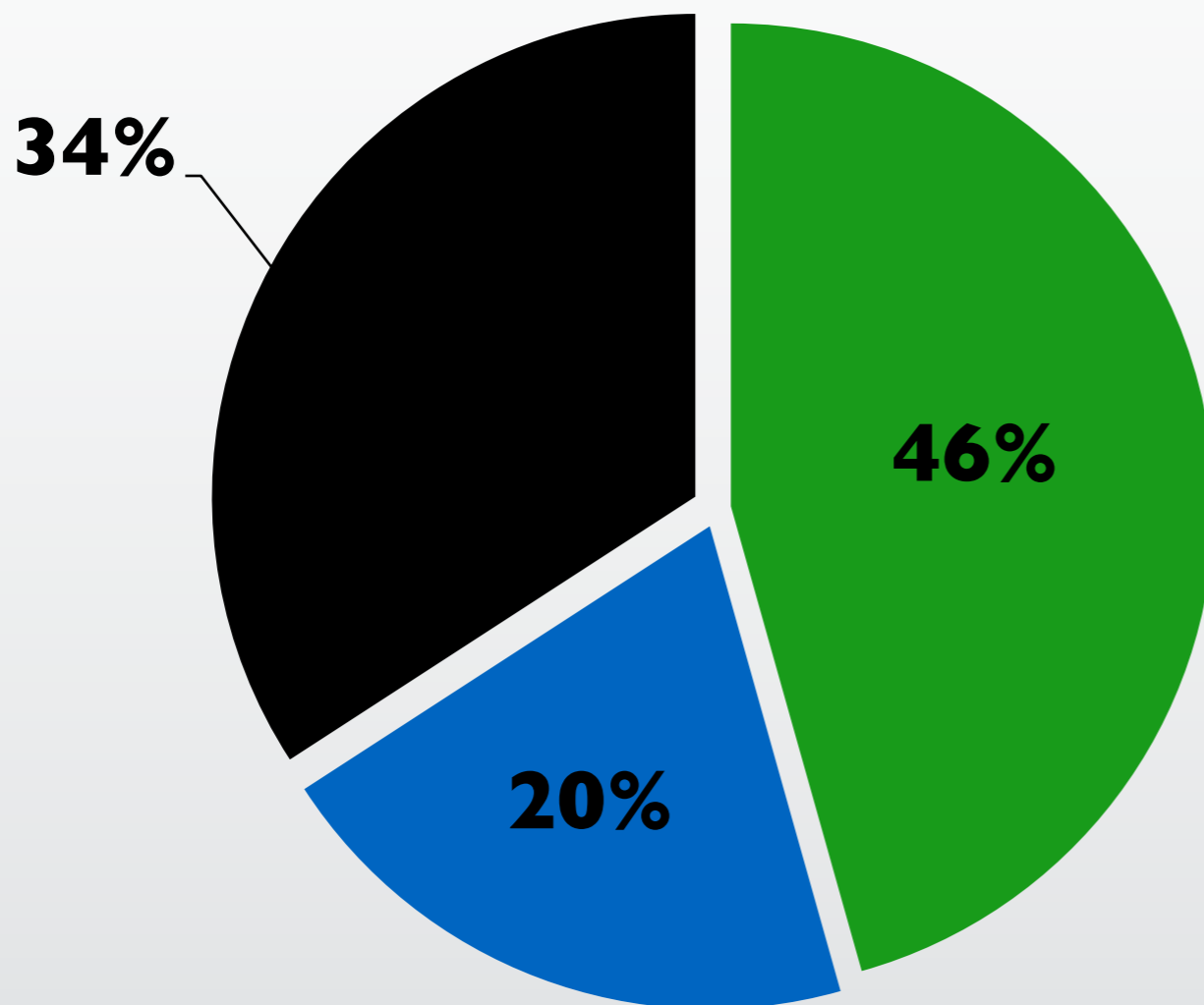
Government directed industry to solve the issue of unqualified people accessing refrigerants.





Fillers and Handlers Voluntary Licensing Scheme

■ RLTB ■ Others ■ MIA



An estimated
 $2/3^{\text{rd}}$ of
refrigeration
engineers
licensed.

Where to from here?

Increasing legislation.
Increasing number of
refrigerants.
Increasing NR use.

- Voluntary Licensing.
- CCCA/ IRHACE membership.
- Specialised Training,
Centre of Excellence.
- Access & localise global learning.
- Partnerships e.g NZFS.
- Leverage Recovery NZ / product stewardship model.
- Education

Improved systems performance.
Design improvements.
Decreasing charge sizes.
Increasing skill development.





business case
natural refrigerants

16 May, 2016 — Melbourne