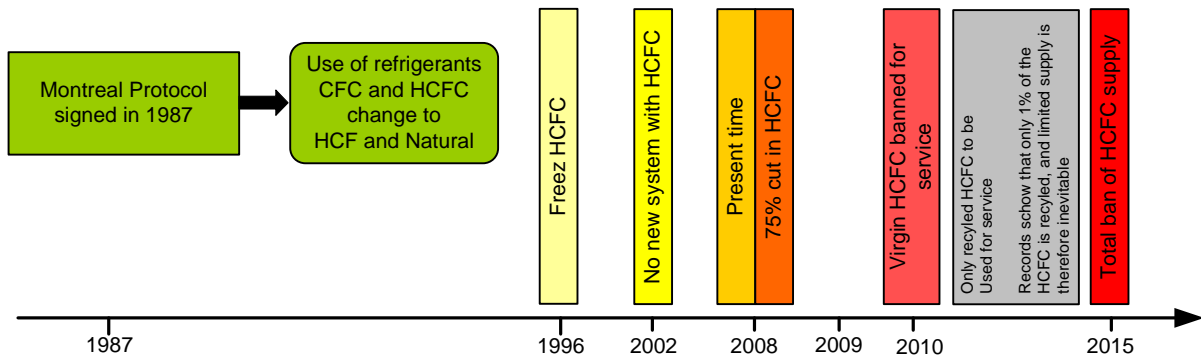


# R-22 Phase-out European Community How will it impact your business?

## Ozone Depletion Regulation EU Countries



### Business impact

- R22 Phase-out before 2010.
- Confusion about the different technical solutions.
- It is a legislation issue, no exceptions.
- R22 price will increase as availability declines and typically the price of alternatives can be higher.

### Solutions by Johnson Controls

- Guidance and retrofit solutions for existing installations, when appropriate, using
  - Alternative HFC refrigerant blends.
  - HFC refrigerants.
- Guidance and solutions for new installations and upgrades using HFC or natural refrigerants
  - Ammonia (NH<sub>3</sub>)
  - Carbon dioxide (CO<sub>2</sub>)
  - Hydrocarbons (HC).

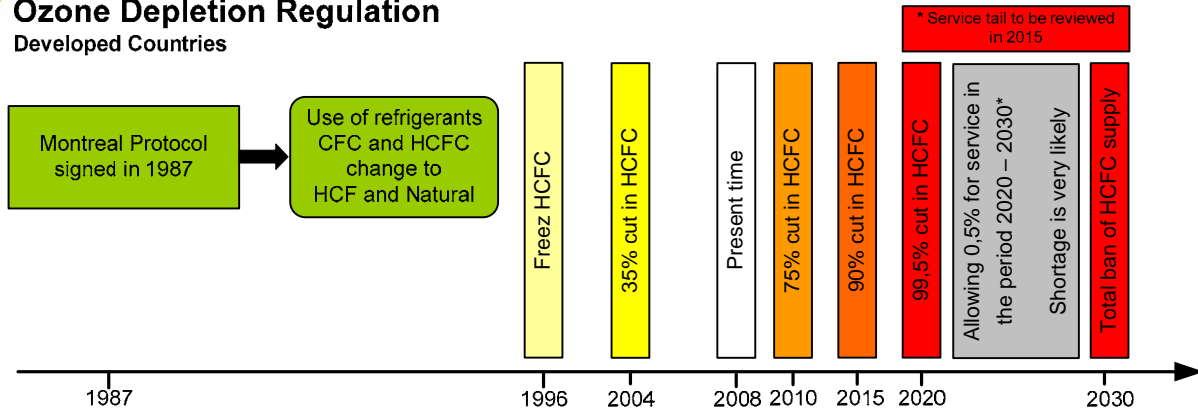
Tailor-made solutions for your plant. Capital expenditure can be funded through potential energy reductions.
- Opportunity to adapt your plant to the actual legislation and directives – get compliant.
- Don't wait till the last moment to make the conversion, plan and take action in due time.

Do you have R22 phase-out issues?  
Contact us for solutions that meet your individual needs.



# R-22 Phase-out Montreal Protocol How will it impact your business?

## Ozone Depletion Regulation Developed Countries



### Business impact

- R22 Phase-out before 2020.
- Confusion about the different technical solutions.
- It is a legislation issue, no exceptions.
- R22 price will increase as availability declines and typically the price of alternatives can be higher.

### Solutions by Johnson Controls

- Guidance and retrofit solutions for existing installations, when appropriate, using
  - Alternative HFC refrigerant blends.
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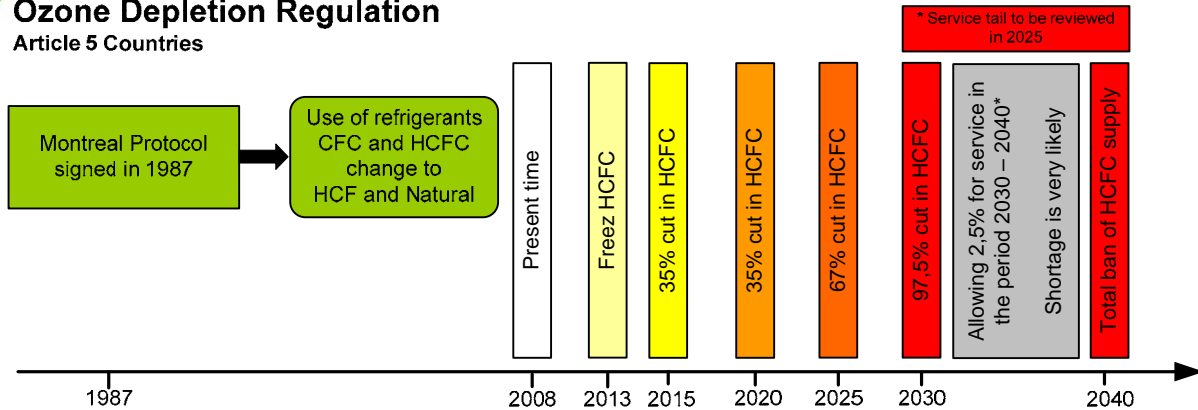
# R-22 Phase-out

## Montreal Protocol – Development Countries

### How will it impact your business?

#### Ozone Depletion Regulation

Article 5 Countries



#### Business impact

- R22 Phase-out before 2030.
- Confusion about the different technical solutions.
- It is a legislation issue, no exceptions.
- R22 price will increase as availability declines and typically the price of alternatives can be higher.

#### Solutions by Johnson Controls

- Guidance and retrofit solutions for existing installations, when appropriate, using
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