



Flare reduction program at Shell Energy and Chemical Park

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In general- Why flaring might not be in focus at sites?

Low Fraction

- Flaring quantities are low compared to overall CO₂ emissions at sites

Mindset/ Perception

- Considered to be uncontrollable
- Considered that focussing on flaring reduction is not economical

Benefit quantifications

- Difficult to quantify flaring reduction benefits

Flaring should however be in focus- Our experience confirms!!

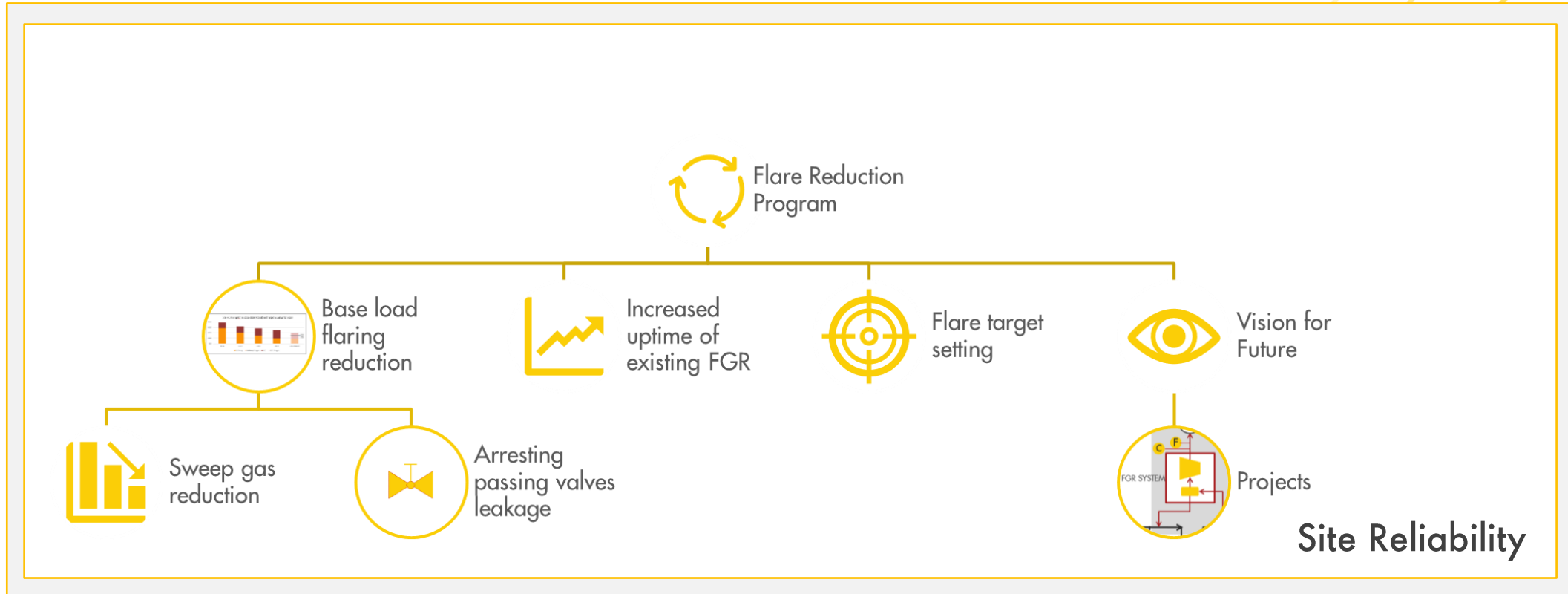
Right for society

- We achieved carbon abatement equivalent to permanently reducing more than 20,000 cars on road

Right for business

- Our efforts have achieved economic benefits

A holistic approach to flaring reduction



Achieved over 50% flaring reduction in 2022 compared to that in 2017

Challenges and overcoming them

Challenges:

- Novelty in ways of working and challenging the norms
- Make flaring reduction a key focus area for site
- Defining the structure of the program, capital requirements and quantifying benefit

Overcoming Challenges:

- Targeting one issue at a time
- Agility to resolve the issue fast
- Maximising value through cost and asset optimisation
- Solutions being robust to yield sustained benefits



