Flare Repair

ROBOTIC REPAIR OF CRITICAL FLARE STRUCTURES AT HEIGHT – WITHOUT SHUTDOWN

No shutdown. No production loss. Zero compromise. Repaired live.

In-operation flare repair solution

Effee delivers safe, targeted repairs of critical flare structures at height and in hazardous environments by combining robotic welding, remote operation, and engineered access. The asset remains fully operational even when findings require intervention. Remotely operated tooling delivers high-precision, repeatable repairs with reduced personnel exposure

Key benefits

- Repair while the asset stays fully operational
- Remote robotic execution at height and in hazardous zones
- Remove personnel exposure and rescue complexity
- High-precision, repeatable quality

Value from a completed project

20 DAYS

SHUTDOWN AVOIDED

Critical flare repair completed while the asset remained in full production, avoiding 20 days of shutdown.

USD 16 M

REPAIR COST SAVINGS

Approximately USD 16 million saved compared with conventional repair methods.

USD 130M

PRODUCTION VALUE PROTECTED

An estimated USD 130 million in production value protected by keeping the asset operational throughout the repair.



- Reduced POB
- Lower HSE exposure
- Remote operation
- Digital traceability
- Protects uptime
- Extends asset life, reducing carbon footprint

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