

# Flare Tip Maintenance

INTEGRATED MAINTENANCE  
AND ACCESS APPROACH



**ACUREN**

A HIGHER LEVEL  
OF RELIABILITY®

# 20-50% Cost Savings



Flare Tip with  
Pilot and TC  
Replacement



## ROUTINE INSPECTION

- General inspection of structure
- Thermocouples
- Visual inspection of burner area
- Inspection on derek and flare platform
- Verticality Survey

## GUY WIRE

- Magnograph sensor for wire rope inspection
- Lubrication
- Guy wire tension study
- Visual and hardware inspection
- Radiography at critical areas (nose of socket)
- Ground anchor inspection

## IN SERVICE MAINTENANCE

- Tensioning and lubrication of guy wires
- Replacement of aircraft lights

## MAJOR MAINTENANCE

- Use Davit Arms and alternative rigging to eliminate or reduce crane use
- Removal of Sheppard's Ring
- Replacement of fuel gas expansion hoses
- Pipe welding and repair

*Standard tip replacement without the use of second crane or scaffold to access structure*

**Saving Time & Providing  
Cost Effective Solutions  
For Working At Height**



# ACCESS OPTIONS & SOLUTIONS FOR FLARE INSPECTION & MAINTENANCE

**ACUREN WAS CONTACTED BY A CLIENT REGARDING OPTIONS TO ACCESS AND CONDUCT WORK AT THE TOP OF A FLARE STACK.**

## OUR COMPETITOR'S PLAN

- Scaffolding
- Multiple Cranes
- Helicopter
- 31 Day Schedule

## CHALLENGES OVERCOME

- Reduced schedule by 50%
- Unit downtime
- Cost
- Multiple vendors to coordinate



## ACUREN SOLUTION

- Job specific procedures and safe work plan developed by in-house Acuren engineers
- Schedule was shortened by 50% by using our rope access solution to access the location
- Rather than using a crane, technicians also designed a plan to safely hoist the replacement parts individually, eliminating the cost of a crane
- Eliminated delays from having multiple vendors - Acuren employed a multi-disciplined trade crew to complete all repairs, dismantle and replacement equipment
- Designed an access plan for the client to inspect all work

## PROJECT SUMMARY

- Entire scope completed within the estimated downtime of 14 days, while staying under budget, including access (550' and no ladder access)
- Rope Access Technicians were on location for 32 days, additional requests were made for other maintenance jobs



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**BEYOND INSPECTION**