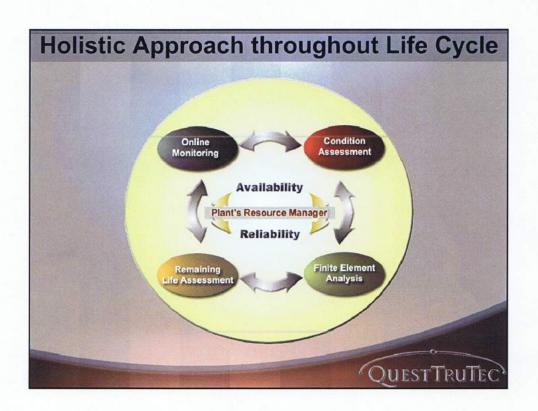
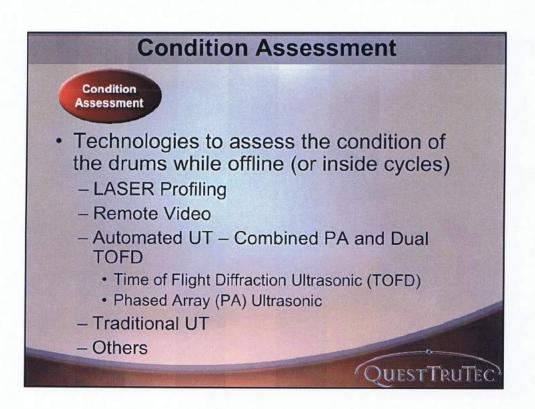


Market Need

- Over 400 coke drums currently in operation and increasing annually
- · Fires from through-wall cracks safety risk
- Processing heavier crude oils
- Higher production demands
- Lost profit opportunities due to through-wall cracks (\$1MM+ each)
- High capital replacement costs
- Long lead time for replacement

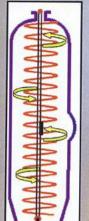






Drum Diagnostics LASER Scan & Video

Quest TruTec Advantages



- Stabilized Tensioned Cable System
- Centered/Repeatable
- Hi-Resolution
- Quick (inside cycle or during t/a)
 - Setup 45 minutes
 - LASER Scan 30 minutes
 - Video Circumferential/Longitudinal welds 60 minutes
 - Video Problematic areas identified by LASER Scan – 30-60 Minutes
- Independent of Owner Operator Assistance
- Economical

QUESTTRUTEC

System Overview

LASER

- Infrared LASER Ranging Device
- Mirror allows 360° sweep
- Stabilized for sharp, high resolution image
- +/- 1/8" accuracy
- Approx. 30 readings per square inch



System Overview

- Video
- High resolution color video camera
- · Joystick controlled pan/tilt
- · 24X Zoom
- Mechanical and electronic image stabilization



QUESTTRUTEC

System Overview

- · Class I Division II
- All equipment entering the drum is pressurized and monitored.
- If pressure falls below preset limit, entire system is shut down.



QUESTTRUTEC

