Valmet Robotic Inspection Services

Technology & resources proven to improve safety, efficiency

Valmet provides customers with a cutting-edge solution for inspecting confined spaces with pinpoint accuracy, while reducing the safety risk to on-site personnel.

Benefits

- Dramatically minimizes safety risk of important inspections
  - Eliminates the human risk of entering confined spaces
- Time and cost savings generated by eliminating the need for traditional inspection scaffolding
- High-definition measuring software tracks defects year over year with up to 5mm accuracy
- 360-degree viewing inside of an asset, with both video and still photo capabilities

Valmet Robotic Inspection Services utilize high resolution camera, laser, robotic and drone technologies to inspect confined spaces that are generally unfit for human occupancy. Each drone and/or robotic inspection device utilizes a full frame digital camera system (complete with HD-quality still photo and 4K video capability, high strength optical zoom, and 10,000 lumen LED lighting) that delivers high resolution, high accuracy results.

Using Valmet Robotic Inspection Services, inspectors conquer vertical access with ease. For example, the confined space inspection camera system enables an inspector to see a 1/32nd inch defect from up to 30 feet away. Additionally, secondary viewing screens are available for inspectors and other stakeholders to see precisely what the operator is seeing from a separate location.

Recent examples have demonstrated time and cost savings of roughly sixteen hours and approximately $200,000 to scaffold an entire boiler for inspection by using drop-in robotic cameras from an upper furnace application, or a drone flown from a lower furnace.

Customers can save approximately
16 hours of preparation/ downtime
and as much as
$200,000 (USD) in scaffolding costs

Applications

- Recovery boilers
- BFB boilers
- CFB boilers
- Pulp and other storage tanks
- Bleach towers
- Miscellaneous power generation
- Marine industry
- Other confined space areas

For more information, contact your local Valmet office. www.valmet.com
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