PRCI Hot Tap Toolbox

What HTTB Does:

- Provides welding engineers with guidance for establishing safe parameters for welding onto in-service pipelines (hot-tap welding)
- Reduces risk of burn through and hydrogen cracking in the Heat Affected Zone
- Supports Sleeve, Branch, Bead on Pipe, and Heat Sink Capacity calculations
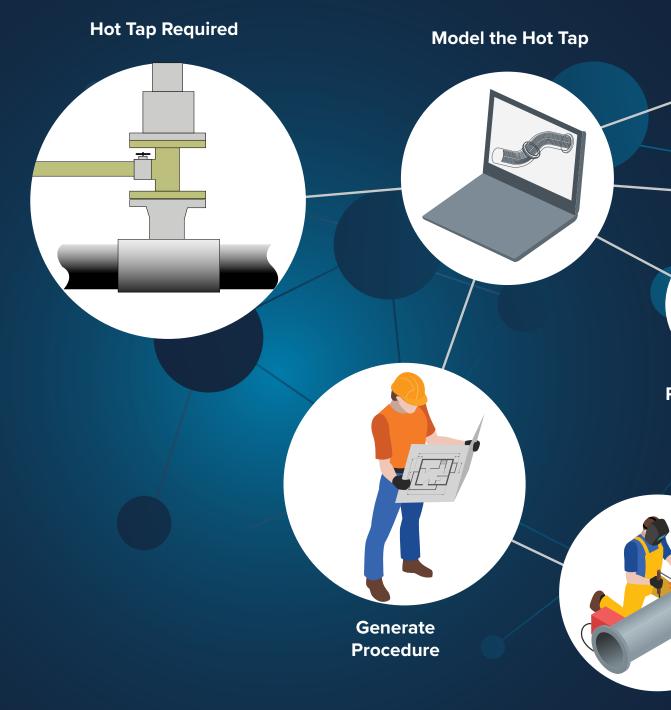
HTTB Benefits:

- Reduces CapEx and OpEx
- Reduces Risk
- Accelerates project schedules

How HTTB Does It:

- Balances heat input and cooling rate to improve safety and integrity of hot tapping operations
- Enables/promotes company-wide SOP
- Considers welding rod, welding speed, pipe metallurgy, flow properties, and other parameters
- API1104, API1107, ASME Sec.IX, BS4515, BS6990,& CSA Z662 compliance checks
- Generates Input and Finite Element Analysis reports

What HTTB Includes:

- PRCI Thermal Analysis Model for Hot Tap Welding Software on Desktop or Cloud
- HUB[PL] Navigator (optional)
- HUB[PL] Maps (optional)

Hot Tap Required

Model the Hot Tap

Welding Rod Speed and Settings

Fluid Properties and Rate

Pipe Metallurgy

Generate Procedure

Welder Safety
Burn Through

Long-Term Integrity Payoff
Hydrogen cracking

TECHNICAL TOOLBOXES

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