Hearth Refractory Thickness Measurement for Metallurgical Furnaces

WHY IS IT REQUIRED?
- Hot metal produced inside metallurgical furnaces, constantly erodes the hearth refractories.
- Health of hearth refractories directly impacts the campaign life of the furnaces.
- Periodic inspection of hearth refractories will aid in significantly extending the campaign life of the furnace hearth.

HOW IT WORKS
- Technology based on Acoustic Resonance allows measurements to be easily done from the outer shell of the furnace.
- Advanced signal processing algorithms for accurate estimation of remnant refractory thickness.

WHAT IT DELIVERS
- Unique measurement system enables large number of measurements in the hearth area with spacing of less than 150mm between adjacent measurement points.
- Periodic assessment of hearth refractories is a valuable tool for optimizing campaign life.
- Aids in safe operation of furnaces.