

Objective : To identify a solution for Hot Material Poking in Cement Plants in Kiln Inlet Smoke chamber

Description : Kiln Inlet Smoke chamber cleaning in hot zone area. This area generates solid blockages of material, which need to be removed with help of a cleaning rod manually. We are looking for a solution which can do this using a remote controlled robot or jackhammer, which should be portable as there are more than one place where this will be done in the unit.

Challenge Scope :

1. **Current practices** – It is cleaned manually in hot zone area with cleaning rods for which 3 – 4 people are required in every shift/day.
2. **Challenges faced** – It is a hot zone, which poses a safety challenge for personnel performing the cleaning activity. Also, 3-4 people are tied up in the activity.
3. **Scope of implementation** – All UTCL Clinkerization units.