

Fact Sheet 4: Facts of pipe maintenance plan according to different damages

Pipe maintenance objectives:

- Ensuring that physical assets continue to do what their users want them to do and to preserve the system function

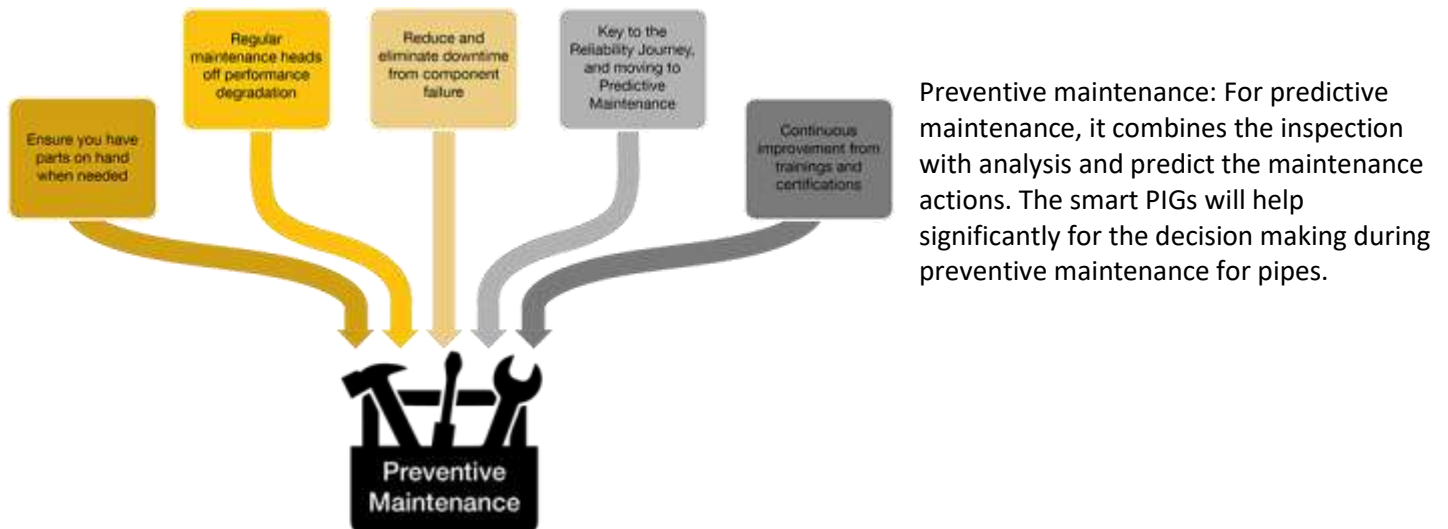
Various maintenance manner:

- Level 1: Maintenance information is ignored and things are fixed as they break, time and again;
- Level 2: Maintenance information is recorded as data somewhere on a server on a shelf or in a drawer;
- Level 3: Maintenance data is converted into knowledge for a few, maintenance mechanic and possibly the system engineers;
- Level 4: Maintenance knowledge is converted into wisdom by analysis, trending, and communications to the organization of the pipe network.

Maintenance plans/strategies:

- Reactive approach, also known as corrective maintenance: It runs the pipes to failure or near failure; This approach is only used for non-essential pipes (50% of the pipe network used this approach).

Proactive approach: It inspects equipment and pipes and takes early steps to overhaul, repair, or replace before failure. Proactive approach can be preventive or predictive maintenance. For preventive maintenance, scheduled maintenances will be taken place.



Enhanced Operational Practices



Business Values

