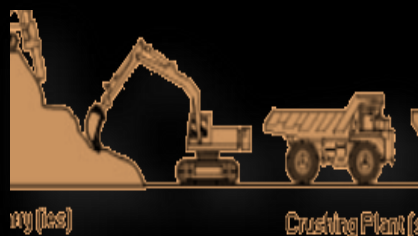


challenges you face as Plant Chief/HoD/Manager/Engineer



Quarrying (as)

Crushing Plant (as)



Clinker Dedusting

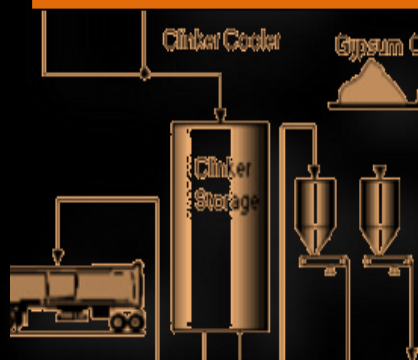
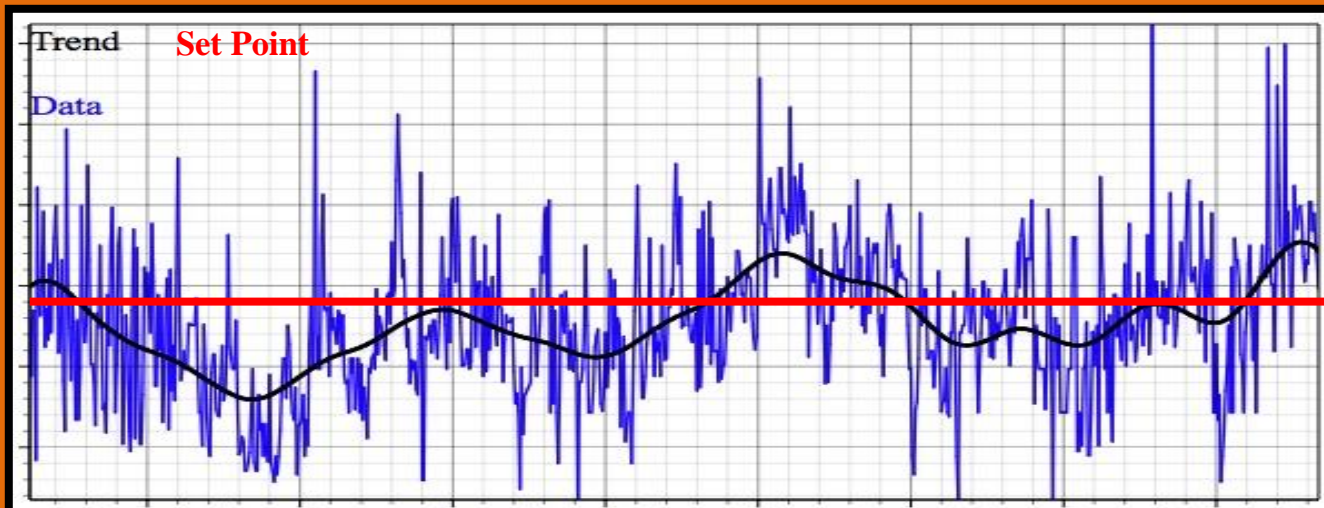
Inconsistent input Material Quality, Increasing number of **Product Specs.**, **multiple** Energy and Material **resources**, Depleting **Equipment Efficiency**, More unscheduled **Start-Stop-Start** cycles, **Fluctuations** in market demand/needs, increasing production **targets**, handling **TOD power** management, stricter environmental **NORMS**, **unstable** plant conditions, process **non-linearity**..



Concrete Materials



Electrostatic

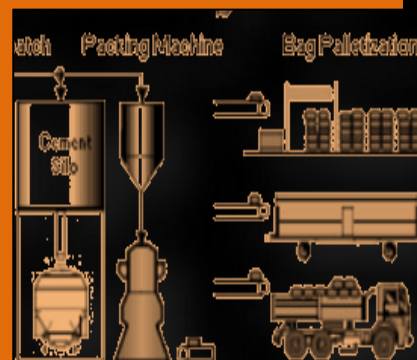


Clinker Cooler

Gypsum C

Clinker Storage

Forced **MANUAL** mode operation, '**FAIL & FIX**' maintenance, **sub-optimally** tuned AUTO systems, **sticky** valves-dampers-actuators, **unstable** feeding systems, out of **calibration** instruments, process **noise**, varying external **Disturbances**, blocked/choked **TRANSPORT** systems, **multivariate** non-linear processes, **ALARM over burden**, lack of **pattern recognition** tools give plant wide view..



Cement Silo

Packing Machine

Bag Palletization

plant wide oscillations seriously hurt the

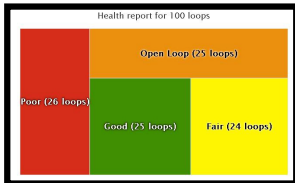
PROCESS HEALTH

and significantly affect the

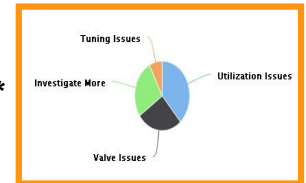
PLANT EFFICIENCY

Introducing **OPTIMakx®** an advanced, automatic, systematic **oscillation analysis & decision support** tool for enhancing productivity and process efficiency..

Product Features (Highlights) :

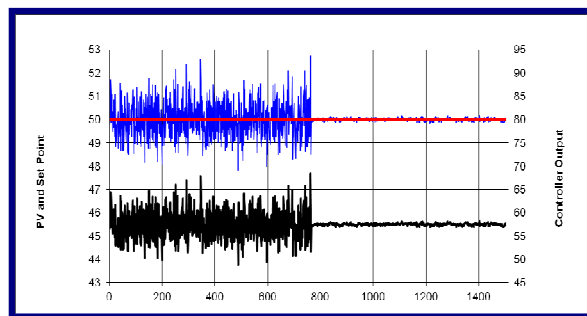
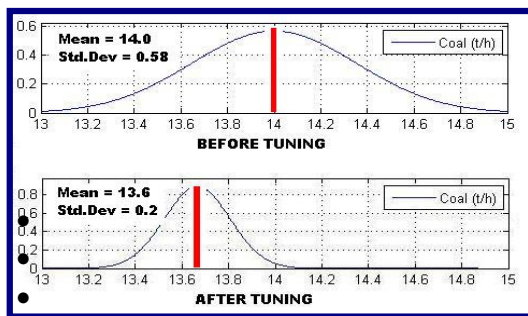


- * Uses historical trends, does not disturb real time DCS *
- * Uses scientific algorithms to diagnose plant fluctuations *
- * Separately highlights procs/mech/instrumnt related issues *
- * Customisable reports to Chief/Head/Manager/Engineer *
- * User friendly, graphical, single snap shot view *



BENEFITS

- Scientific, Automatic and Scheduled **HEALTH CHECK UP** of **ALL AUTO systems** in the plant.
- Decision making support to know **WHATs WRONG** with **PIDs** and **WHEN/HOW** to correct.
- Manage crucial PID loops to **REDUCE Fluctuations & IMPROVE Averages** (fuel consumption, production)



- Understand plant wide fluctuations to **Reduce Valve/Damper/Motor Wear & Tear**
- Use OPTIMakx trends to observe Shift wise / Day wise /Operator wise **best Process PATTERNS**

Give us chance to bring this NEW CONCEPT and advanced TOOL to your PLANT

- ? **Want to Understand more** – call us for ONE day training on “Managing Process Fluctuations”.
- ? **Want to Assess plant status** – contact us for OPTIMakx -SERVICE (2 Audits/Yr + Training).
- ? **Want to Update often** - get unlimited analysis with OPTIMakx -CLOUD on internet.
- ? **Want to Use regularly** – install & assess plant health in real time with OPTIMakx –PRODUCT.

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