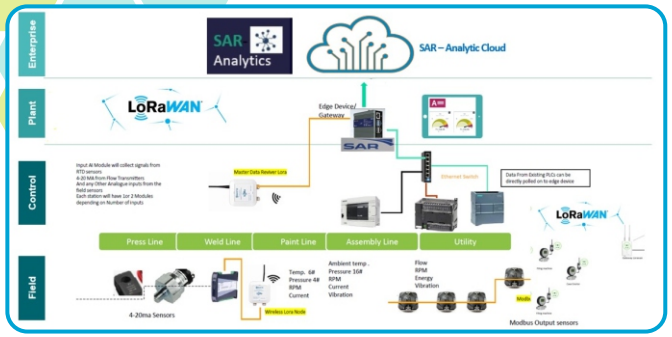
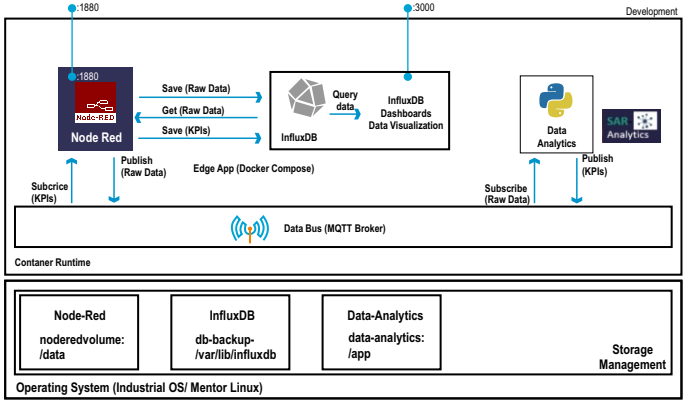
OT enablement Wired / Wireless Architecture at Plant Level



Sar Analytics Network IT Architecture



Smarter Factory Operations, Simplified

Minimal Setup, Maximum insights-powered by LoRaWAN data and machine control signals

1. Machine Performance Module
   - OEE
   - Machine Status
   - Production Planning
2. Tracking & Traceability
   - Auto process Parameters capture
   - machine/ station interlocks
   - EWI
   - Database records
3. Energy management module
   - Live energy trends
   - Water & air consumption treneds
   - Threshold alarm & reporting
4. Utility monitoring module
   - Compressor monitoring
   - Cooling tower monitoring
   - DG monitoring
   - EOT Crane monitoring
   - Busbar monitoring
   - Transformer monitoring
   - STP/ETP
5. Downtime Management Module
   - MTBF & MTTR
   - Downtime Pareto
   - Machine maintenance ticket
   - generation & resolution
   - Preventive maintenance module
6. Quality management module
   - Online spc & reports (cp & cpk,)
   - Quality gate management system
   - Rework management & reporting
7. Smart asset module
   - Motor management with current signature
   - Vibration live dashboard with fft analysis
   - Critical Parameters Monitoring
   - Alarm threshold and reporting

Sar has Build expertise in IOT Networks Primarily On Lora wan , NB IOT and other industrial NWs

Our Solutions Comprise of Wireless Sensors and Devices with Minimal intrusion int your current operations to create a Smarter and Meaningful Information enabled Eco system of you Plant and assets . The same is complimented with On Premise / Cloud based Dashboards for providing Insights alerts and other information to users so that they can take actions in Real time.

-: Reach us :-

Sudhir Bachloo – 9811910492
sbachloo@sar-btpc.com

Hemant Gupta – 8602468391
hemant@sar-btpc.com

Rahul Bachloo – 9821100492
bachloo.Rahul@sar-btpc.com

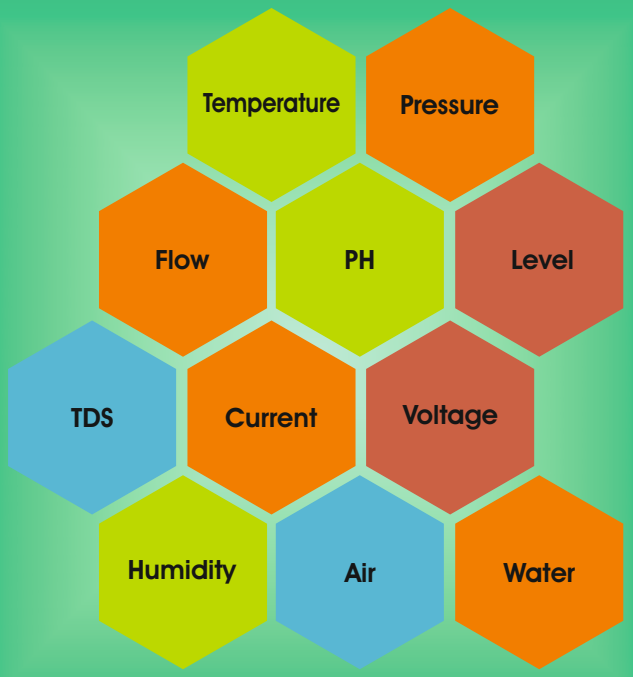
SAR

BUSINESS TRANSFORMATION Consultants

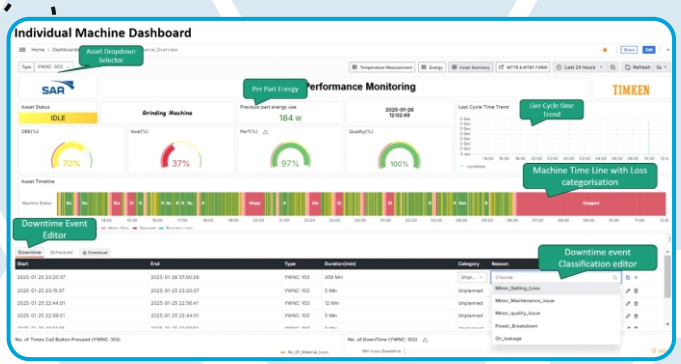
Empowering Digital Solution

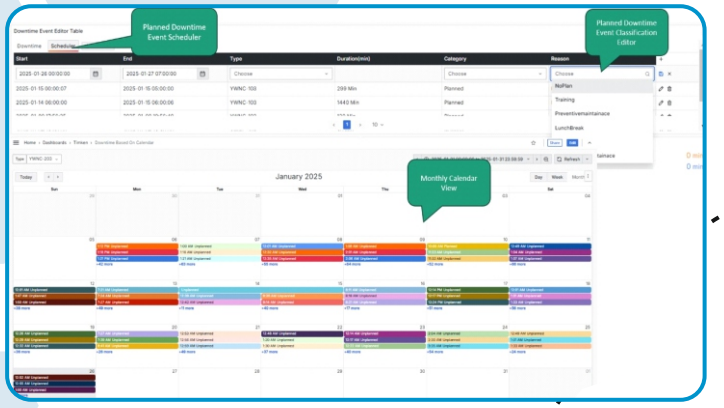
LoRaWAN

Device & Solutions

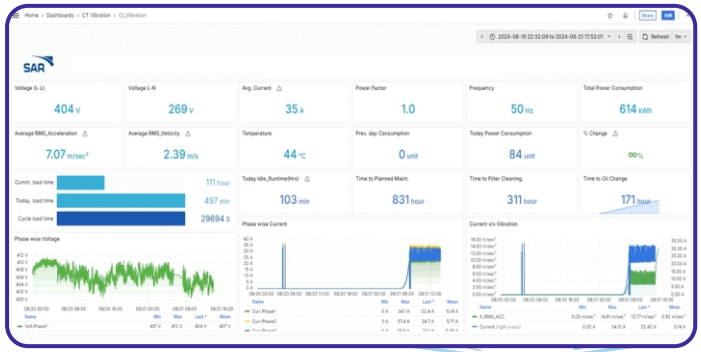


OEE Monitoring



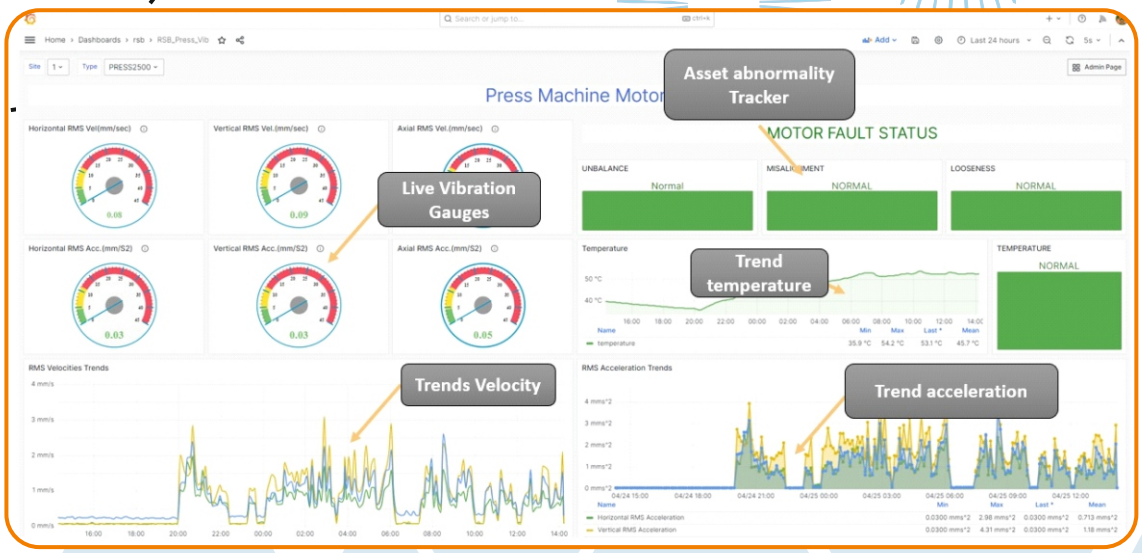


Compressor Management Dashboard

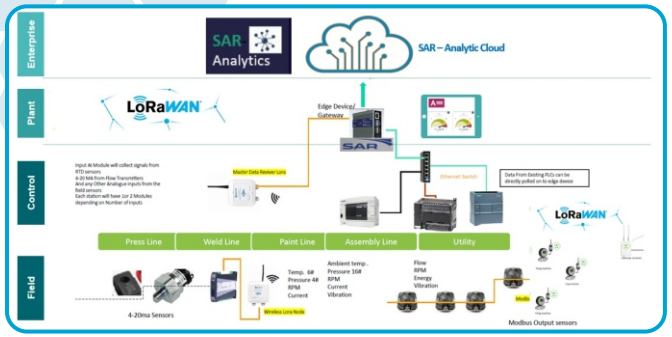


Energy Monitoring

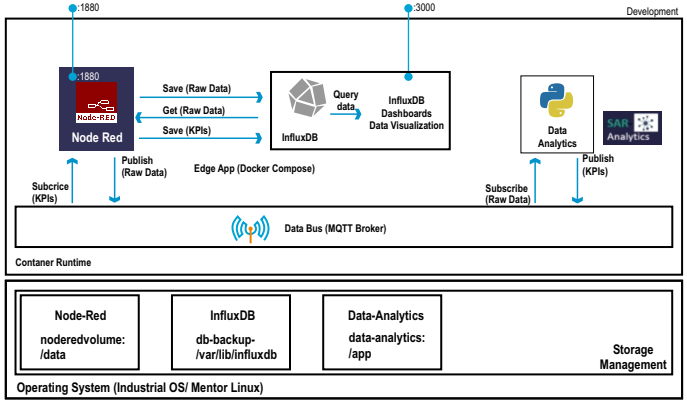
Asset Health Monitoring



OT enablement Wired / Wireless Architecture at Plant Level



Sar Analytics Network IT Architecture



Smarter Factory Operations, Simplified

Minimal Setup, Maximum insights-powered by LoRaWAN data and machine control signals

Machine Performance Module
- OEE
- Machine Status
- Production Planning

Tracking & Traceability
- Auto process Parameters capture
- machine/ station interlocks
- EWI
- Database records

Energy management module
- Live energy trends
- Water & air consumption trends
- Threshold alarm & reporting

Utility monitoring module
- Compressor monitoring
- Cooling tower monitoring
- DG monitoring
- EOT Crane monitoring
- Busbar monitoring
- Transformer monitoring
- STP/ETP

1

Downtime Management Module
- MTBF & MTTR
- Downtime Pareto
- Machine maintenance ticket
- generation & resolution
- Preventive maintenance module

2

3

4

Quality management module
- Online spc & reports (cp & cpk,)
- Quality gate management system
- Rework management & reporting

5

6

Smart asset module
- Motor management with current signature
- Vibration live dashboard with fft analysis
- Critical Parameters Monitoring
- Alarm threshold and reporting

7

Sar has Build expertise in IOT Networks Primarily On Lora wan , NB IOT and other industrial NWs

Our Solutions Comprise of Wireless Sensors and Devices with Minimal intrusion int your current operations to create a Smarter and Meaningful Information enabled Eco system of you Plant and assets . The same is complimented with On Premise / Cloud based Dashboards for providing Insights alerts and other information to users so that they can take actions in Real time.

-: Reach us :-

Sudhir Bachloo – 9811910492
sbachloo@sar-btpc.com

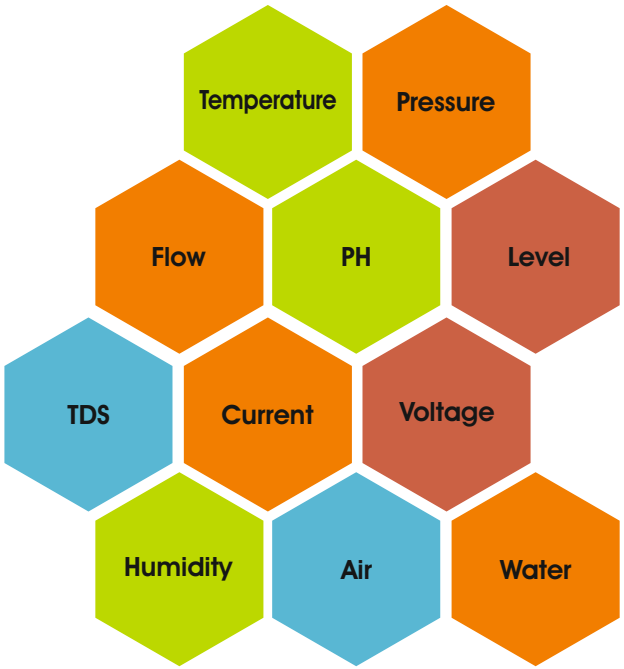
Hemant Gupta – 8602468391
hemant@sar-btpc.com

Rahul Bachloo – 9821100492
bachloo.Rahul@sar-btpc.com

SAR

BUSINESS TRANSFORMATION Consultants

Empowering Digital Solution

LoRaWAN

Device & Solutions