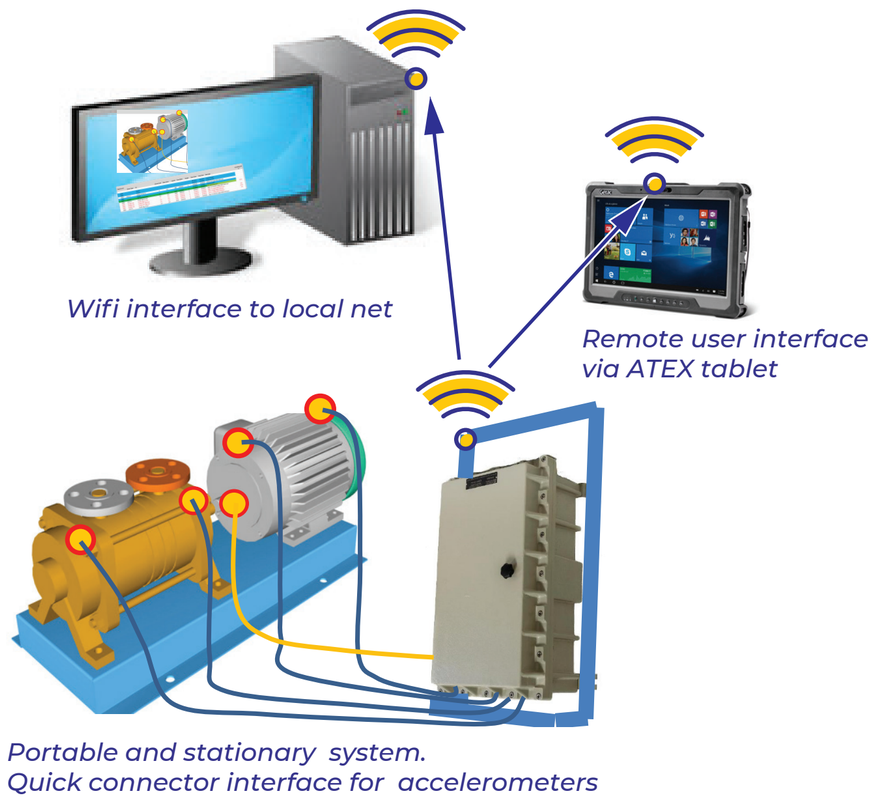
DYNA TREND

GAS TURBINE ADVANCED DIAGNOSTICS

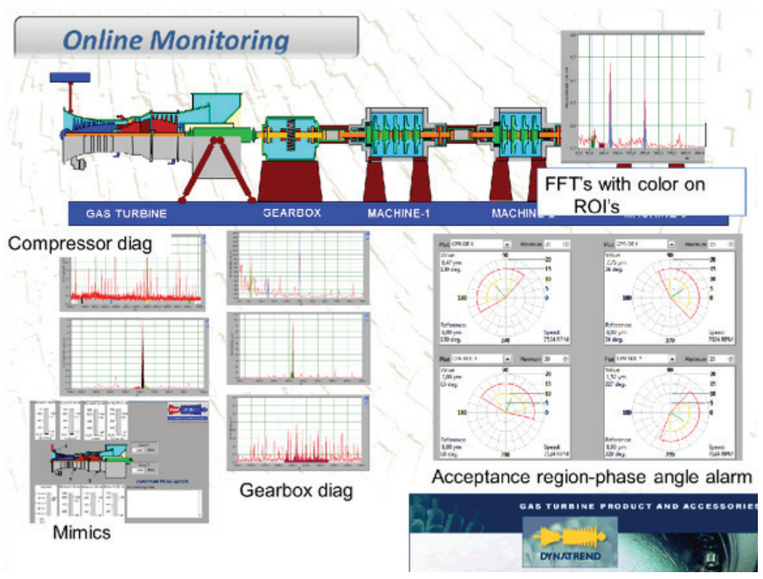
Dynatrend launches a WiFi based portable field system in an ATEX- Ex certified enclosure.

This multi-purpose system is:

- Carry-able
- Can be left at the machine skid for a planned time
- 4 accelerometer loops
- Optical tacho -speed
- 24VDC power input- from plant power or external battery
- The system can be used for interval routine based measurements
- Can be left at the machine skid by magnet feet, or bolted frame.
- Balancing module



Portable and stationary system.
Quick connector interface for accelerometers



The application can visualize analysis like a bigger system.

Reduce human intervention time in the field

Benefits:

- Reduces human time and risk in the field
- Instant- auto diagnostics
- Continued measurements for troublesome machines
- Quicker to attach to the machine than spot to spot measurement

Machine ID	Alarm Type	ID	Alarm level	Max value	Speed	Time MAX	Range	Start time	Stop time	Message	Exeeding HH %
8500		Speed						08:53:13	10:02:47	Turbine stops	
8500		Speed						10:02:53	10:06:41	Turbine crank	
8500	Alert-H	Acc#2-2X-GG-LH	1	1,6	488	10:06:39	1	10:06:38	10:06:39	GG 2X vib-range-400-9250 rpm	
8500		Speed						10:06:41	10:06:41	Turbine stops	
8500	Alert-H	OH- Stall indication	0,4	0,7	5789	10:08:58	1	10:08:56	10:09:00	OH Stall Precursor	74 %
8500	Alert-H	Acc#2-stg.5-11 OV	1,5	1,6	6441	10:09:12	2	10:09:12	10:09:13	Stg 5-11 Overall-range-4500-6750 rpm	
8500	Danger-HH	Acc#2-stg.5-11 OV	2	2,1	6544	10:09:15	2	10:09:15	10:09:16	Stg 5-11-range-4500-6750 rpm	4 %
8500	Danger-HH	Acc#2-HPT stg1-Rub	1,5	1,9	6541	10:09:28	2	10:09:27	10:09:30	HPT-1-range-4500-6750 rpm	27 %
6008	Danger-HH	Acc#2-HPT stg1-Rub	1,5	1,5	6562	10:09:33	2	10:09:32	10:09:33	HPT-1--range-4500-6750 rpm	3 %
6008	Alert-H	Acc#2-stg.1-4 OV	1,5	2,0	6573	10:09:34	2	10:09:33	10:09:38	Stg 1-4 Overall-range-4500-6750 rpm	

- *Auto-generated reports gives instant and precise information.*
- *The system will diagnose if it is attached only for a short while.*
- *The system will diagnose and populate information if lest at the machinery skid.*

Increase the potential of CBM recourses.

Return of investment:

- Freeing internal recourses for CBM planning
- Creating a firm diagnostic basis for CBM utilization.
- Reduces cost and complexity for arranging analysis on semi critical, and critical machines.