Squash Traxy & Asset Watcher Mining Solution

Background

Mining Industry is a wide area. So you must manage each fleet, each its condition, and do check and re-check fleet and inventory availability and functionality of fleet.

Challenge

- 1. Record utilisazition each tool
- 2. Tracking your (movement) asset (TMS)
- 3. Record your inventory
- 4. Oil Wear and Analysis (KOWA)
- 5. Planned Maintenance (PM-Pro)
- 6. Continuous Improvement (CI)
- 7. PM Inspections

Solutions

- A. Availability and Utilization Installing Asset Watcher in all devices and peripherals
- B. Status Monitoring Heavy Vehicle and its content.

Installing SQUASH TRAXY GPS-TRACKER (Micro-1000) In all vehicles and connecting to all sensors



ASSET WATCHER IMPLEMENTATIION and FUNCTION



Asset Watcher (AW) are able to track every devices and listed in AW site list database. Once the device(s) lost or gone the value and its list in database are updated in a realtime. If certain site(s) have devices more than usual, that mean there is a illegal devices brought to its (foreign) site. It can be seen from tag id and device id

on databases.

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RECORDING	60	EXISTING	34
TAG ID	Tool Name	TAG ID	Tool Name
125 00123	Fuel Injector Remover	125 00123	Fuel Injector Remover
200 04023	Davco Diesel Filter Wrench	200 04023	Davco Diesel Filter Wrench
204 00544	HD Universal Joint Puller	204 00544	HD Universal Joint Puller
204 078888	Socket, Ford IPR Sensor	204 078888	Socket, Ford IPR Sensor
200 00957	Socket, HD Spicer Drive	200 00957	Socket, HD Spicer Drive
200 03345	Socket, Oil Galley	200 03345	Socket, Oil Galley
204 04023	Budd Wheel Socket Set	204 04023	Budd Wheel Socket Set

Red letter with L symbol means that tools is lost or out from coverage

B. Utilization



TAG ID Tool Name		Status	Start Time	Ends	Durations	Rates (IDR
125 00123	Fuel Injector Remover	In Box	-			150
200 04023	Davco Diesel Filter Wrench	Rent - Running	12:20:12 12 May 2013	16:30:12 12 May 2013	4h 10m	150
204 00544	HD Universal Joint Puller	In Box		12		150
204 00501	Socket, Ford IPR Sensor	In Box	(e)		20	75
200 00957	Socket, HD Spicer Drive	In Box				150

200 03345	Socket, Oil Galley	In Box	1000	3	250	75
204 04023	Budd Wheel Socket Set	In Box	-	14	-	150



After tool detached from its case, reader will counting how long tool rent until they are back in its case.



HD Vehicle	Mechanic	ID Mech	Tool 1	Tool 2	Tool 3	Tool 4	Tool 5	Activity	Duration
Area 1									
	Dirk Kwaskovic	1022 77770	204 7664	204 7664	200 7444			Tires Change	01:30:33
- 640	Jeff Chang	1003 77456	204 6784	204 3312	204 5122		5		
Dump Truck 304 66381						-	. 8 23		
🚺 Area 2									
	Duke Vladimir	1022 35490	204 7664	204 76(-	- John		Oil Change	00:12:33
304 662551						-A			
Area 3					40				
	Doddy Dude	1022 77340	204 7122				11.31	Tires, wheels,	00:43:33







Active RFID

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lug bolts Check

If They're in the Same Place :

1. RFID Active and send Notification 2. Counter /Timer Active until they are separated (out of area)

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