CATCHING MISUSED FUEL FUEL TELEMATICS ON CONSTRUCTION SITES



of commercial fuel is misused or stolen

BUT WE CAN PREVENT IT

There are plenty of sources for misusage of fuel on construction site – vehicles consume ALOT of fuel, there is seldom proper managerial control and virtually no accounting on fuel distribution – ideal environment

MISUSE AND THEFT OCCUR DURING:

DISTRIBUTION OPERATIONS ACCOUNTING

Fuel usually distributed via own tankers or canisters, without proper recording and exact, proven figures Without proper control, vehicles can be left idling for too long, and drivers can take advantage of unprotected fuel storage Fuel use in construction is calculated by operation hours, not actual engine consumption

"If You Can't Measure It, You Can't Manage It"



DISTRIBUTION

OWN REFUELING DOES NOT MEAN THEFT FREE

Too many corporate refueling stations or movable refuelers does not have proper counters what so ever, workers tend to cooperate to play with figures, and because of that - lots of space for manipulations.

OPERATIONS

THEFTS AND MISUSE ARE COMMON

As work operation conditions very a lot, and managers seldom follow vehicles constantly, drivers and operators of vehicles and equipment have plenty of time to pump fuel from the tank or leave engine running when it can be stopped.





FUEL REPORTING

MESS IN OPERATIONS AND DISTRIBUTION-FAULTY FUEL REPORTING

As mentioned previously, when you do not know how much exactly was inserted, and how much was burned by each driver and by a vehicle as a whole, it is nearly impossible to get figures right. As a result - miscalculations and additional hassle over new fuel orders.







ADDITIONAL PRECONDITIONS FOR MISUSE

- operating conditions very widely so cannot possibly be accurate estimations on fuel use
- locations change constantly lots of room for manipulation on uncontrolled areas
- managers change constantly depending on the current construction task, and put most emphasis on efficiency of construction, theft and misuse detection is not their priority
- drivers change on a regular basis detection of misbehavior is a nearly impossible task with a currently existing approach
- vehicles and their tanks are unprotected from night fuel thefts when on outside operations

SO, MAIN PROBLEM LACK OF CONTROL

But we know how to fix that!

WHAT SHOULD BE DONE?

IN IN IN IN DISTRIBUTION OPERATIONS ACCOUNTING

Know exactly how much, when and where fuel was inserted into each tank Detect exact fuel consumption regardless of vehicle type Record fuel use automatically and safe data indefinably



Set up

Extensive network of sensors

- Accurate fuel level sensors to be installed into the fuel tank of vehicles to get full data on fuel moving in and out
- Precise **fuel flow meters** control instant consumption - each driver's performance is recorded
- **Software** records all data on fuel use withing organization and on each vehicle, forming reports and sending alarms automatically

AS A RESULT, IT WILL BE A CLOSED FUEL CIRCLE

With accurate equipment, we can create a closed cycle of fuel, and data on its usage withing organization, so no fuel is wasted, data is gathered for further analysis and fuel accounting is like a breeze



FUEL COMES TO CONSTRUCTION SITE -AND YOU KNOW HOW MUCH FUEL WAS FILLED IN EACH VEHICLE THROUGH FUEL LEVEL SENSOR IN THE TANK



FUEL FILLED IN, CONSUMED AND MISUSED RECORDED **AUTOMATICALLY** WITHOUT ADDITIONAL PAPER WORK, YOU KNOW HOW MUCH FUEL TO ORDER AGAIN



VEHICLE IS IN OPERATION, AND YOU KNOW HOW MUCH EACH DRIVER USED DURING EACH MOMENT VIA FUEL FLOW METER



USED FUEL IS COMPARED TO FUEL LEFT IN THE TANK TO REVEAL A MISMATCH, UNAUTHORIZED TANK DRAININGS DETECTED INSTANTLY



WHAT WILL BETHE BENEFIT

IF ONLY 5% SAVED

as a result of full fuel circle control?

As an example - company with 50 vehicles, work 21 days per month, 8 hours a day, 301\h average fuel consumption

SAVINGS PER YEAR, DEPENDING ON FUEL PRICE

200.000 EUR

OR 3 EXCAVATORS* OR 7 TRACTORS* OR 1 MONTH SALARY FOR 70 WORKERS*

*May very, depending on local conditions



DEVELOPER AND MANUFACTURER: JV-TECHNOTON.COM



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WE HOPE YOU JOIN US IN OUR STRUGGLE FOR A MORE EFFICIENT FLEETS

THANK YOU