



INTERNET ENABLED GENSET CONTROLLER



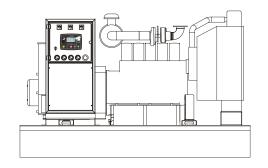


MULTIFUNCTIONAL

THE SAME UNIT IS A ...



- ☐ AMF UNIT WITH UNINTERRUPTED TRANSFER
- ☐ ATS CONTROLLER
- ☐ REMOTE START CONTROLLER
- ENGINE CONTROLLER
- ☐ REMOTE DISPLAY UNIT



REDUCE YOUR STOCK ITEMS!





EASY PROGRAMMING

- EASY TO USE PC CONFIGURATION PROGRAM: RAINBOW PLUS
- □ PC PROGRAM CONNECTS THROUGH USB + RS485 + INTERNET
- REMOTE PARAMETER SETTING THROUGH INTERNET
- ☐ ALL PARAMETERS FRONT PANEL ADJUSTABLE
- DETAILED TRAINING MATERIAL







DATA PORTS

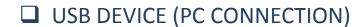










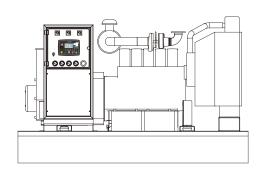


☐ USB HOST (LONG TERM DATA RECORDING)

☐ MICRO-SD CARD (LONG TERM DATA RECORDING)



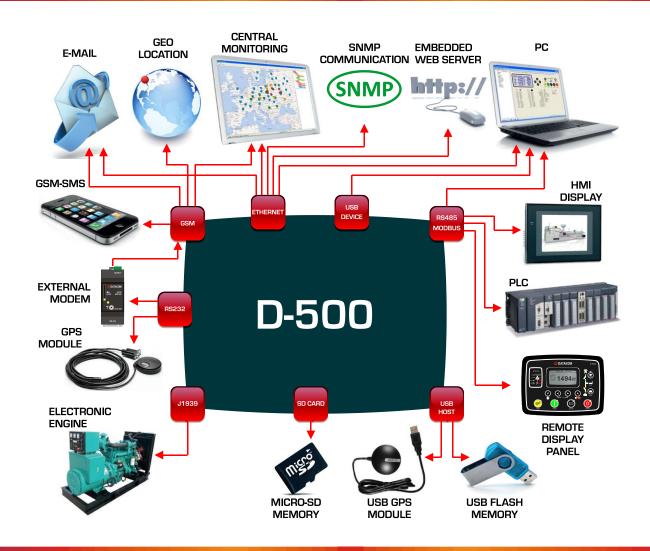








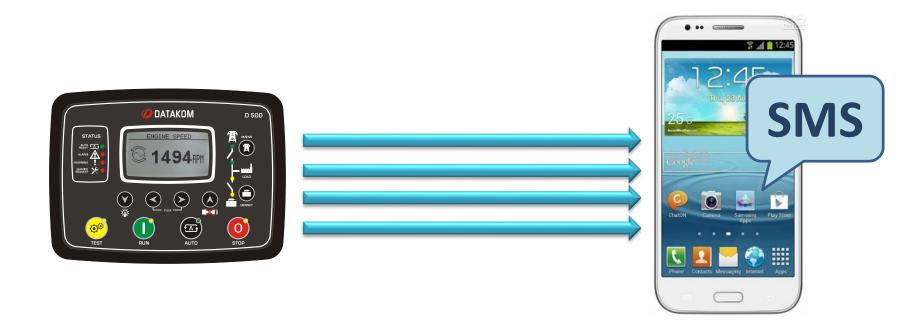
CONNECTION CAPABILITIES







SMS SENDING

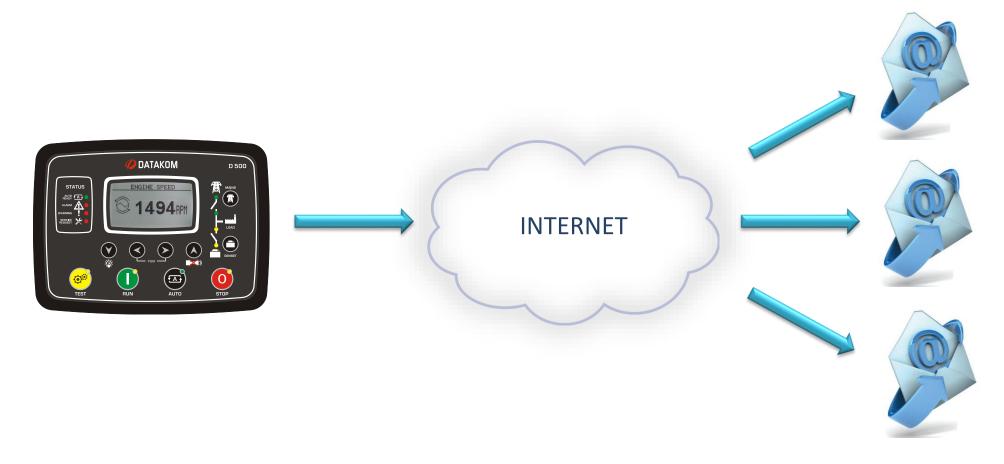


UP TO 4 DIFFERENT PHONE NUMBERS ALLOWED





E-MAIL SENDING



UP TO 3 DIFFERENT E-MAIL ADDRESSES ALLOWED





INTERNET FEATURES









- ☐ EMBEDDED WEB SERVER
- WEB MONITORING
- WEB PROGRAMMING
- PARAMETER SETTING THROUGH INTERNET
- ☐ CENTRAL MONITORING THROUGH INTERNET
- E-MAIL SENDING
- MODBUS TCP/IP
- ☐ SNMP





REMOTE MONITORING

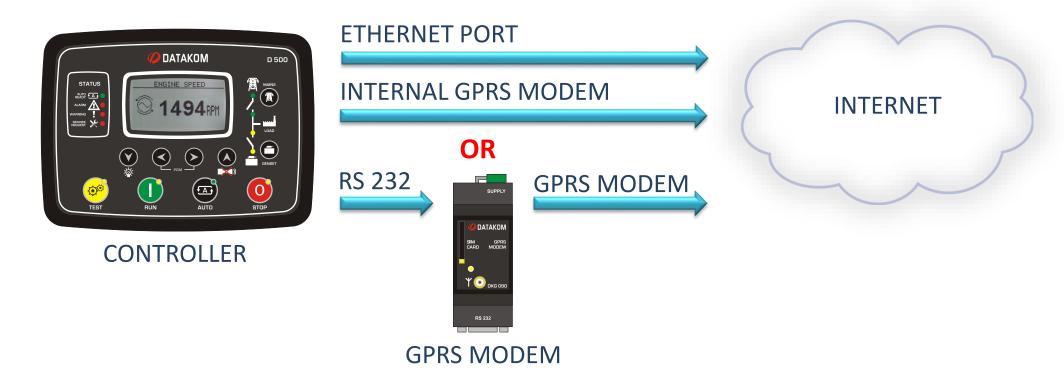






INTERNET CONNECTION

LAN + GPRS CONNECTIONS ENABLED!



DUAL CONNECTIONS ALLOWED FOR ADDITIONAL SAFETY

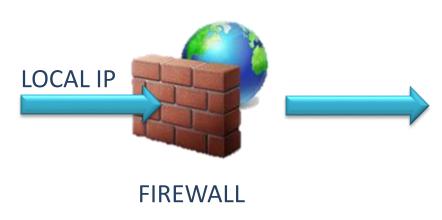




EASY INSTALLATION - ETHERNET

ETHERNET CONNECTION SUPPORTS **LAN** AND **LOCAL IP**!







RAINBOW SCADA SERVER

- NO **STATIC IP** REQUIRED
- NO PORT REDIRECTION REQUIRED
- NO DATA SERVER REQUIRED
- JUST PLUG & PLAY





EASY INSTALLATION - GPRS

GPRS CONNECTION SUPPORTS **DYNAMIC IP** AND **LOCAL IP**!





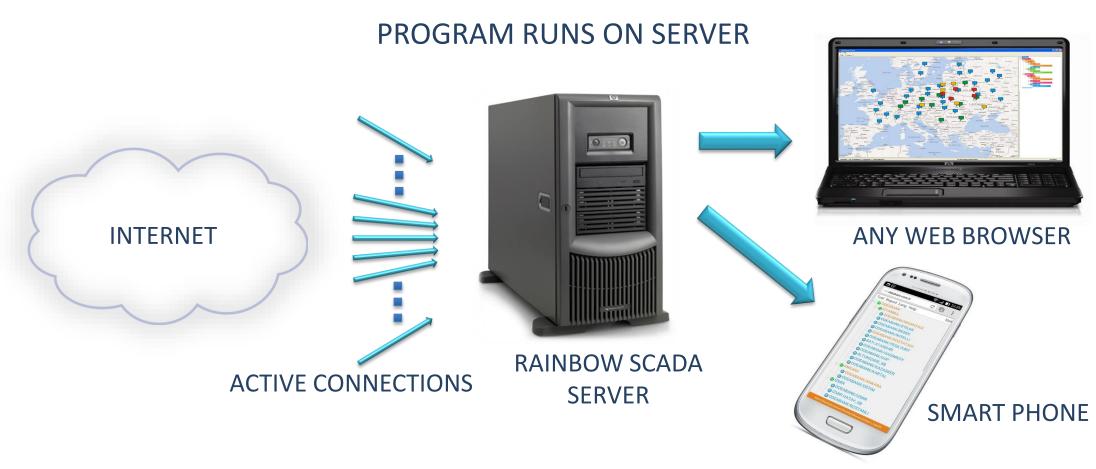
RAINBOW SCADA SERVER

- NO **REAL IP** REQUIRED
- NO <u>STATIC IP</u> REQUIRED
- NO DATA SERVER REQUIRED
- PLUG & PLAY WITH ANY DATA SIM CARD





RAINBOW SCADA PROGRAM



RAINBOW SCADA SERVER SUPPORTS 60'000 ACTIVE CONNECTIONS





CHART MODE DISPLAY

MONITOR YOUR COMPLETE FLEET ON ONE SCREEN

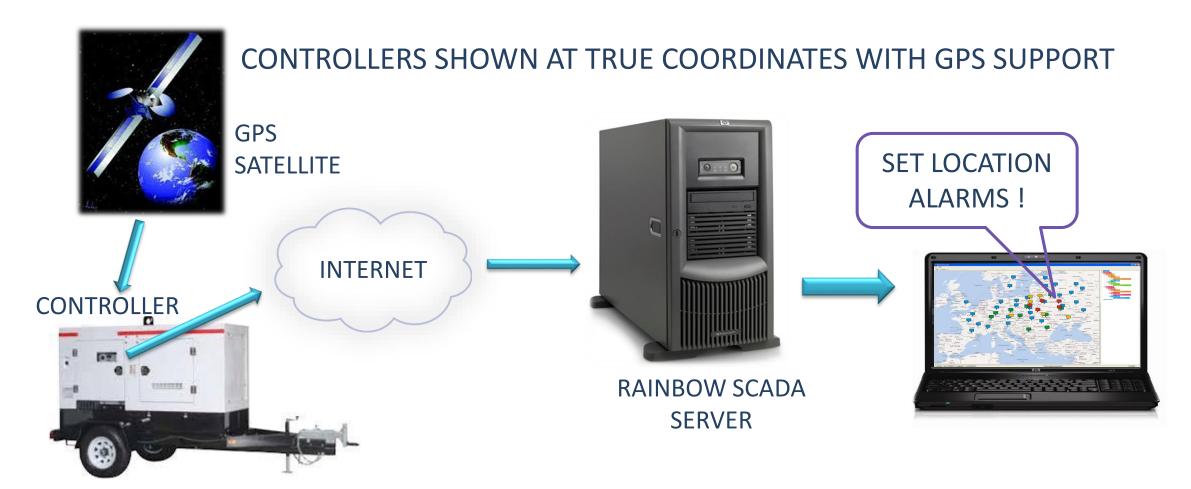


THE COLOUR OF THE BOX SHOWS DEVICE STATUS!





MOBILE GENSET SUPPORT



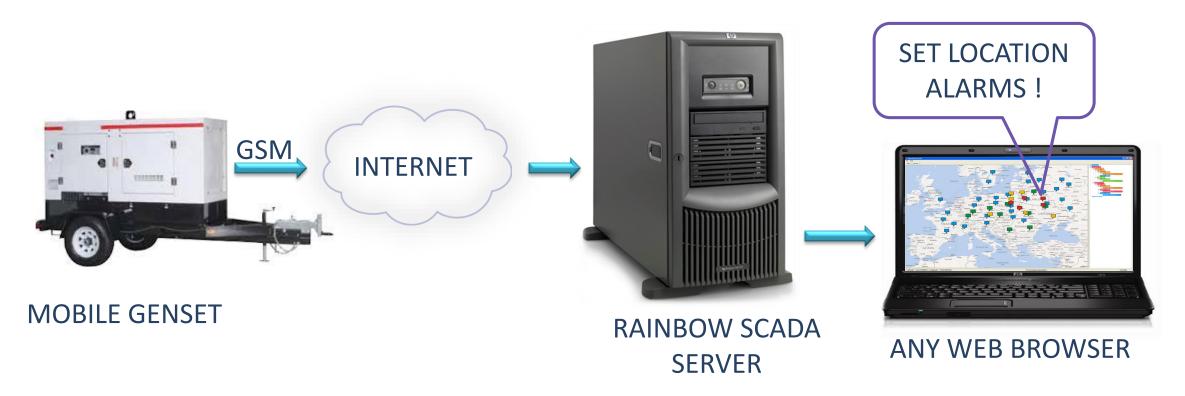
MONITOR YOUR MOBILE FLEET ON-LINE!





MOBILE GENSET SUPPORT

LOCATION DETERMINATION OVER GSM NETWORK

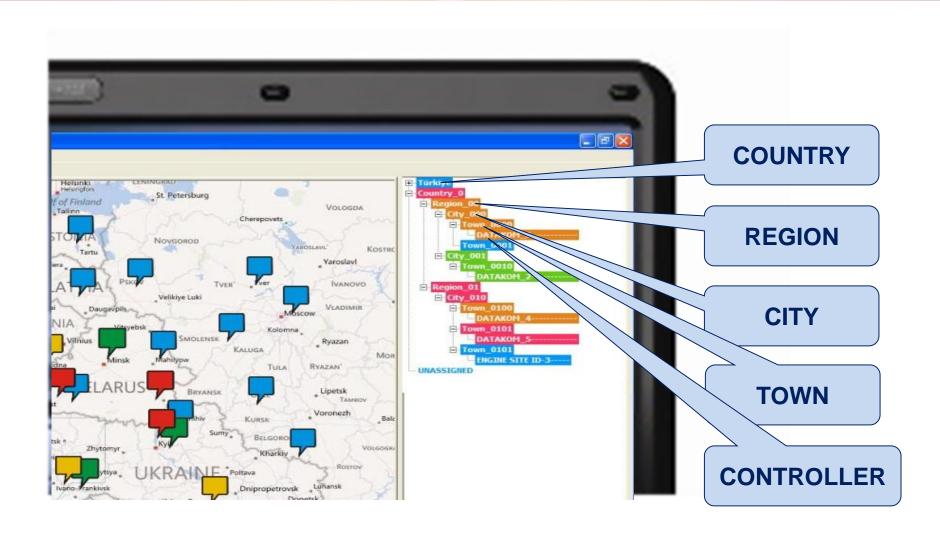


MONITOR YOUR MOBILE FLEET ON-LINE!





GROUPING OF GENSETS







TABLET PC & SMART PHONE SUPPORT







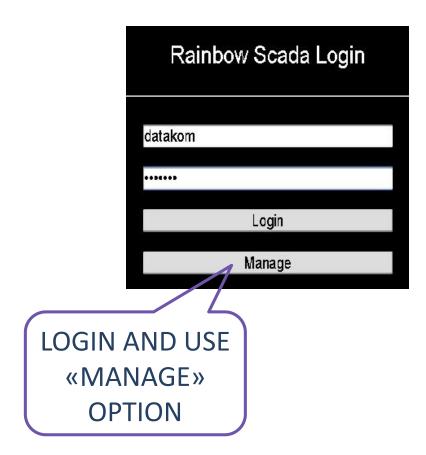
ALL WEB BROWSERS
ARE SUPPORTED

NO NEED TO DOWNLOAD APPS!





CREATE YOUR OWN ACCOUNT





NO NEED TO WAIT FOR SUPPORT





CREATE YOUR OWN SUB_USERS

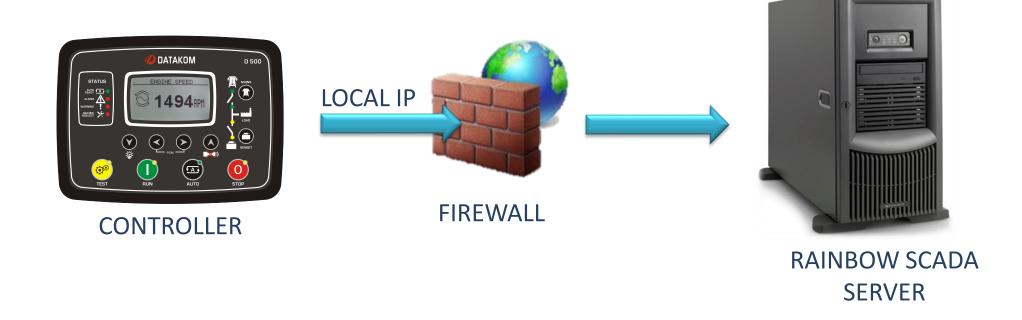






DATA SECURITY

DATA IS SENT TO RAINBOW SCADA SERVER ONLY!



NOBODY CAN REACH YOUR CONTROLLER!

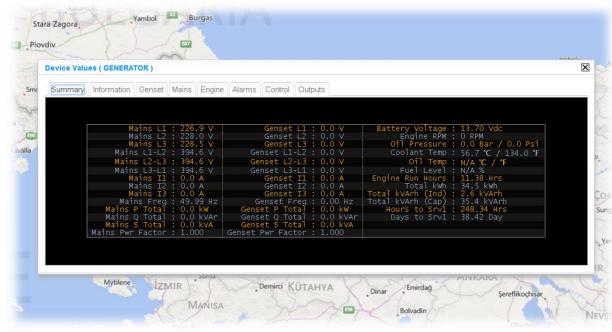




DETAIL MONITORING

MONITOR ONLINE & REAL TIME







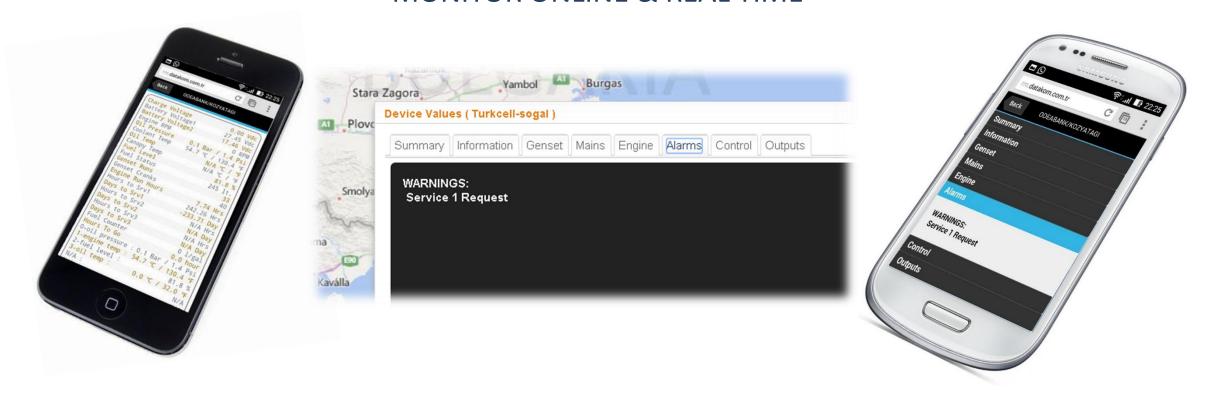
MONITOR WITH PC, TABLET OR SMARTPHONE





REMOTE ALARM MONITORING

MONITOR ONLINE & REAL TIME



MONITOR WITH PC, TABLET OR SMARTPHONE





REMOTE CONTROL & REMOTE FAULT RESET

RESET ALARMS ONLINE & REAL TIME





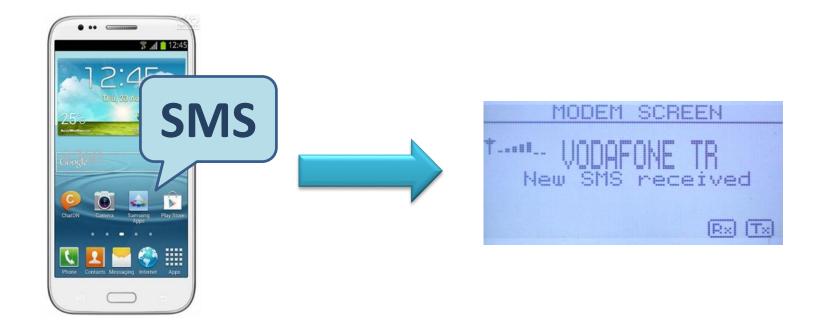
RESET ALARMS WITH PC, TABLET OR SMARTPHONE





REMOTE FAULT RESET VIA SMS

YOUR CRITICAL SITE IS ALWAYS UP!



RESET ALARMS!





REMOTE PARAMETER EDIT

CONTROLLER



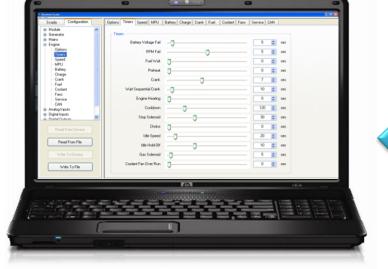






RAINBOW SCADA SERVER

RAINBOW PLUS PROGRAM



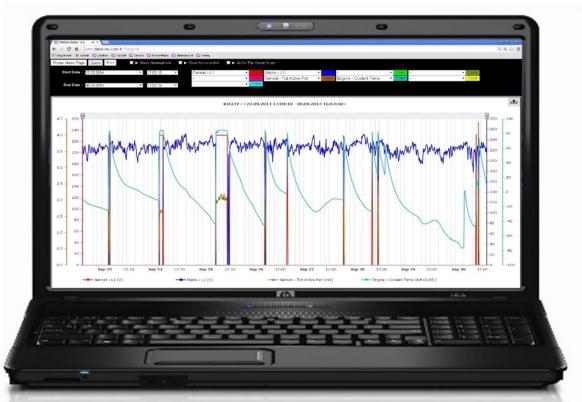






DATA ANALYSIS

PAST DATA IS STORED ON SERVER!



DATA CAN BE SAVED AS:

- JPG FILES
- EXCEL FILES

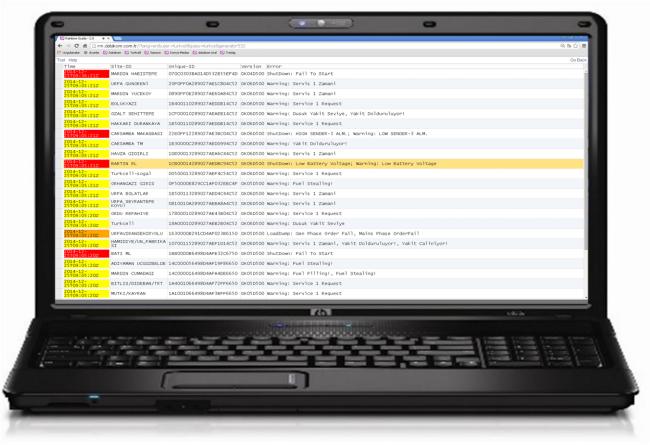
ANALYSE PAST PERFORMANCE OF YOUR SYSTEM!





ONLINE ALARM MANAGEMENT

DESIGNED FOR CONTROL CENTERS



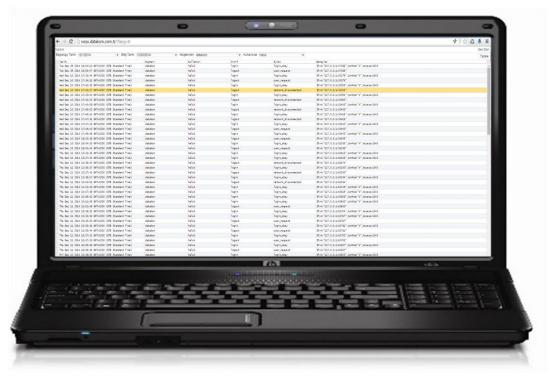
ALARM HISTORY IS RECORDED INTO DATABASE





CUSTOMER LOGIN HISTORY RECORDING

MONITOR SUB-USER ACTIVITIES



LOGIN HISTORY IS RECORDED INTO DATABASE

HELPS TO INCREASE SECURITY!





DETAILED REPORTING

ALLOWS TIME-FRAMED REPORTING OF SELECTED PARAMETERS



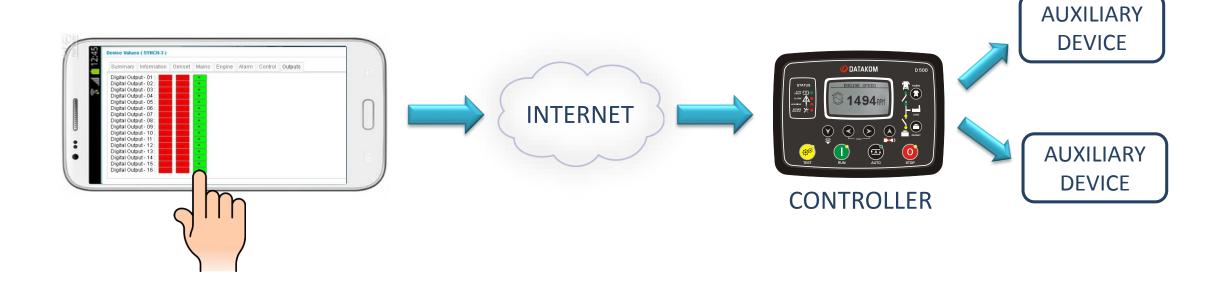
- FUEL CONSUMPTION REPORTS
- kW/fuel EFFICIENCY REPORTS
- POWER GENERATION REPORTS
- POWER CONSUMPTION REPORTS
- AVERAGE VALUES
- MIN-MAX VALUES

PROVIDES HELP FOR BETTER MANAGEABILITY OF YOUR FLEET!





REMOTE CONTROL OF AUXILIARY DEVICES







MONITOR ALL DATAKOM PRODUCTS

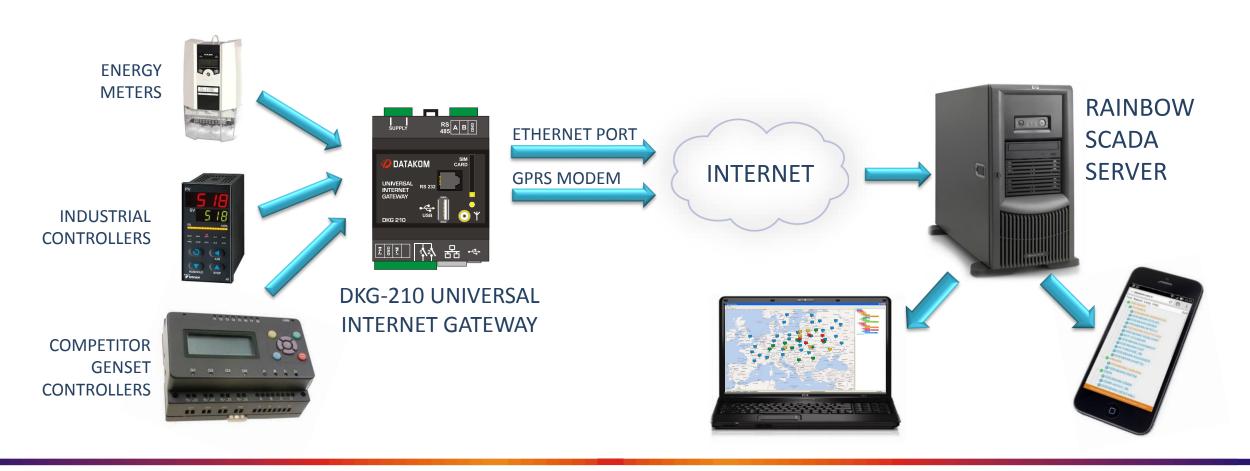






INTEGRAL APPROACH

MONITOR THIRD PARTY & COMPETITOR PRODUCTS







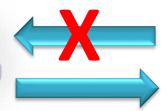
COST ADVANTAGE

MONITOR YOUR SYSTEM WITH LOWER DATA COST!











CONTROLLER

CONTROLLERS CONNECT AUTOMATICALLY

- NO NEED TO QUERRY THE CONTROLLER
- ALL DATA IS SENT IN A SINGLE IP PACKET







COST ADVANTAGE

EACH CONTROLLER COMES WITH 2 YEARS FREE MONITORING



- 6 MONTHS FREE REMOTE CONTROL
- 6 MONTHS FREE REMOTE PARAMETER EDIT
- 6 MONTHS FREE DATA ANALYSIS





IMMEDIATE FAULT DETECTION

REDUCE CUSTOMER'S DOWN TIME WITH FASTER INTERVENTION







NO!





FAULT SENSING BEFORE FAILURE

GENERATE ALERTS BEFORE THEY BECOME EMERGENCIES







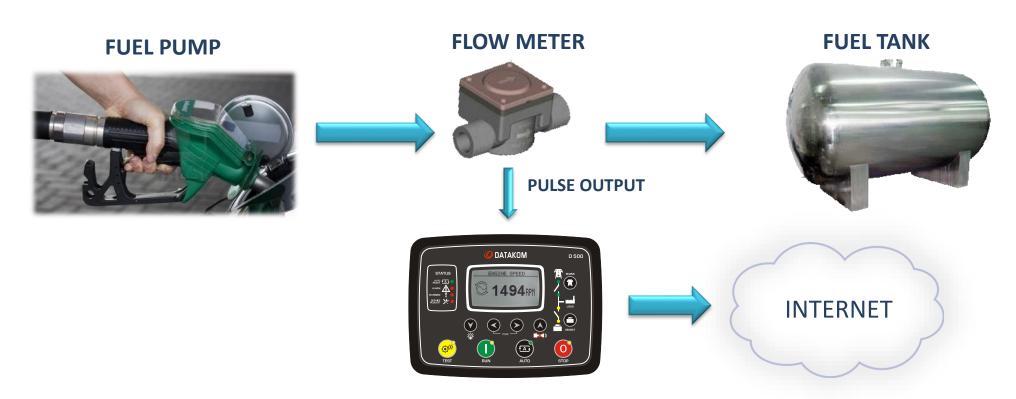






REMOTE FUEL FILLING MONITORING

CONTROLLER COUNTS FLOW METER PULSES



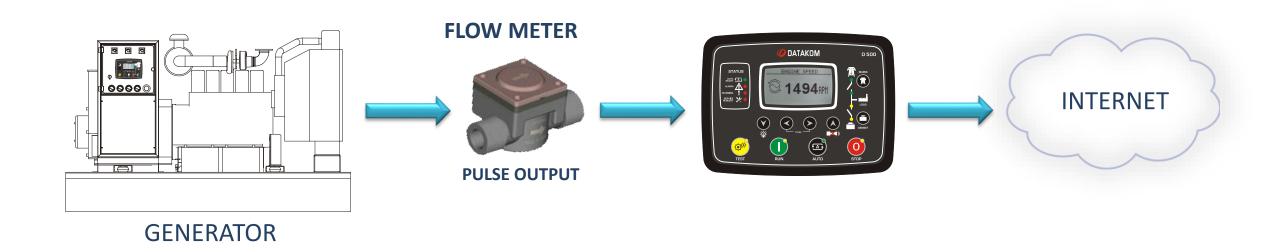
SAVE YOUR MONEY BY ELIMINATING FUEL FILLING FRAUDS!





FUEL CONSUMPTION MONITORING

CONTROLLER COUNTS FLOW METER PULSES



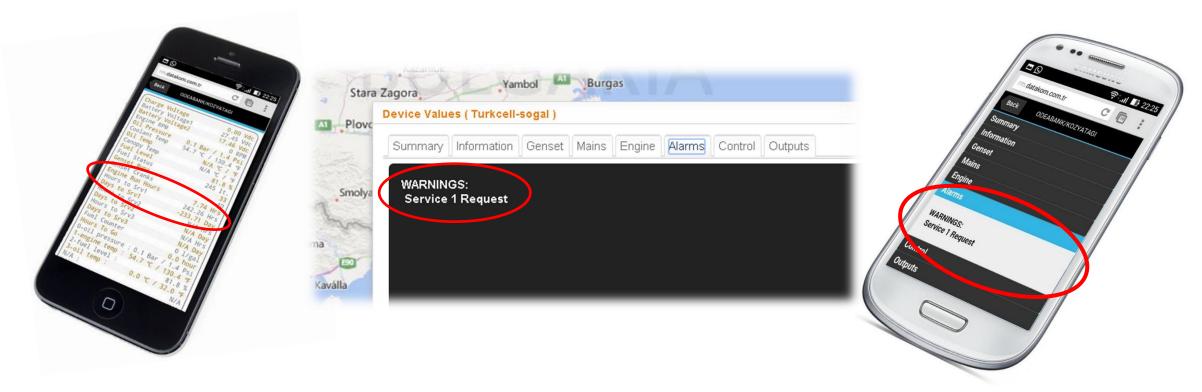
MONITOR YOUR GENSET'S **kW/FUEL** EFFICIENCY





REMOTE SERVICE MONITORING

REDUCE YOUR SPARE PARTS COST BY SERVICE PLANNING!



AVOID UNNECESSARY SERVICE VISITS





LESS MANPOWER FOR SERVICE

AVOID UNNECESSARY SITE VISITS





NO!

YES!

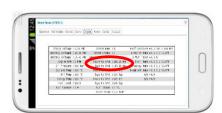




ADVANTAGES







- ☐ GENERATE ALERTS BEFORE THEY BECOME EMERGENCIES
- RESET FAULTS FROM YOUR CONTROL ROOM
- ☐ TEST YOUR GENSET FROM YOUR CONTROL ROOM
- REDUCE YOUR DOWN TIME WITH FASTER INTERVENTION
- AVIOD UNNECESSARY SITE VISITS
- REDUCE YOUR SPARE PART COST BY SERVICE PLANNING
- ELIMINATE FUEL THEFT
- ELIMINATE ENERGY THEFT
- ELIMINATE FUEL FILLING FRAUDS
- HAVE YOUR CRITICAL SITE ALWAYS UP
- □ HAVE DATA SECURITY
- ☐ INTEGRATE THIRD PARTY PRODUCTS IN THE SAME NETWORK
- ☐ CONTROL YOUR ENTIRE REMOTE STATION VIA D-500







