

# RAINBOW SCADA

## REMOTE MONITORING & CONTROL SYSTEM

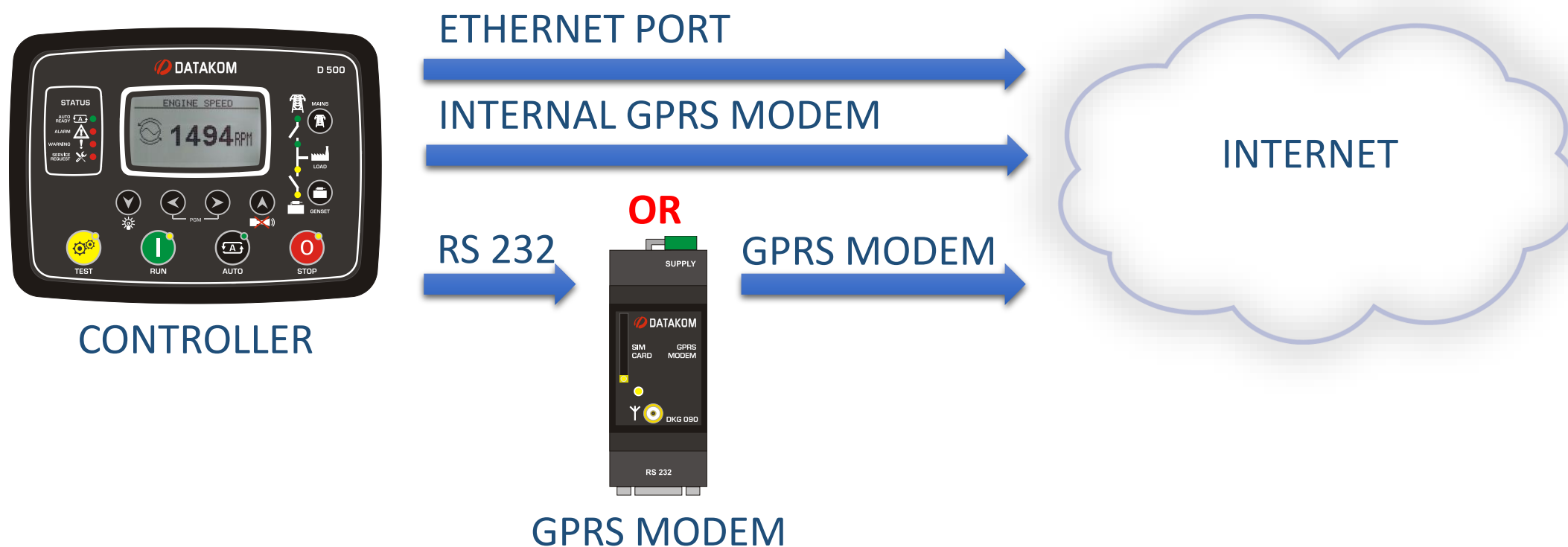


# HOW IT WORKS ?



# INTERNET CONNECTION

LAN + GPRS CONNECTIONS ENABLED !

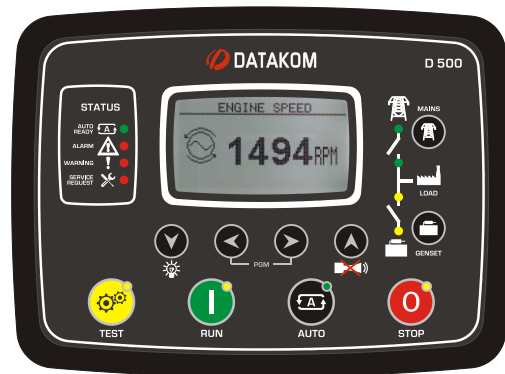


DUAL CONNECTIONS ALLOWED FOR ADDITIONAL SAFETY

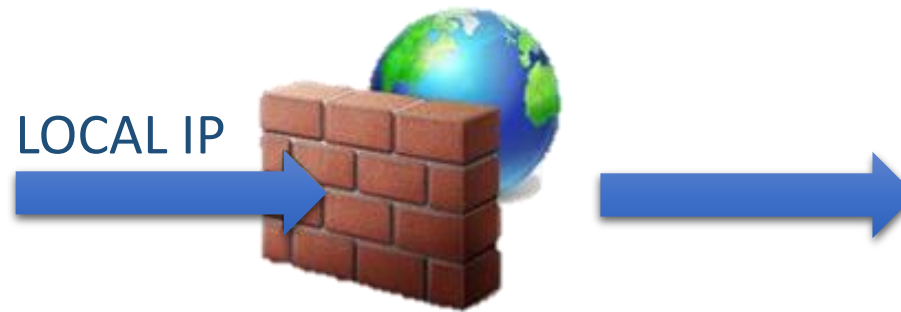


# EASY INSTALLATION - ETHERNET

ETHERNET CONNECTION SUPPORTS LAN AND LOCAL IP !



CONTROLLER



FIREWALL



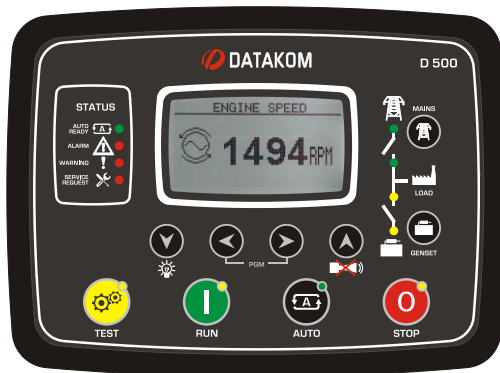
RAINBOW SCADA  
SERVER

- 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 !

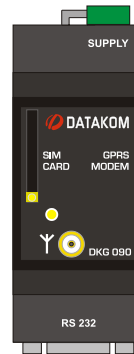


CONTROLLER

INTERNAL GPRS MODEM

OR

RS 232



GPRS MODEM

GPRS MODEM



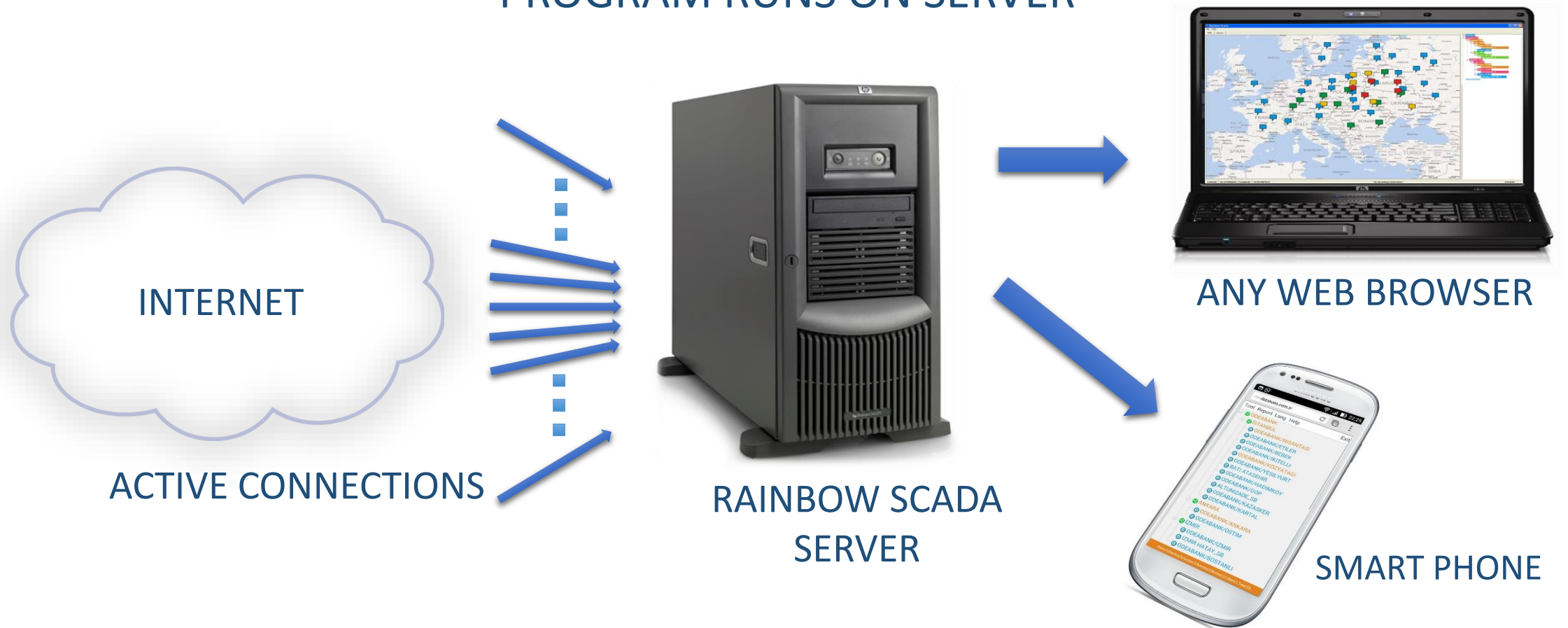
RAINBOW SCADA  
SERVER

- NO REAL IP REQUIRED
- NO STATIC IP REQUIRED
- NO DATA SERVER REQUIRED
- JUST PLUG & PLAY WITH ANY DATA SIM CARD



# RAINBOW SCADA PROGRAM

PROGRAM RUNS ON SERVER



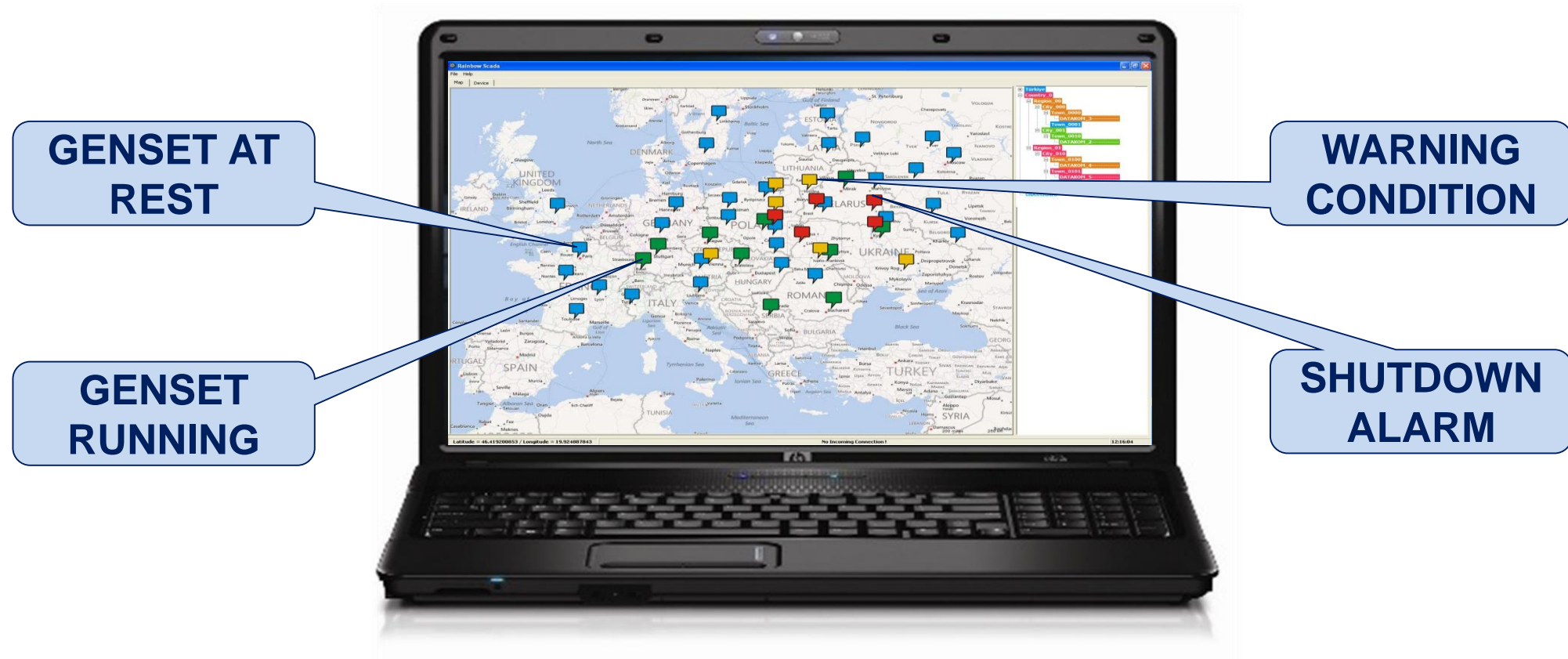
RAINBOW SCADA SERVER SUPPORTS 60'000 ACTIVE CONNECTIONS





# CHART MODE DISPLAY

MONITOR YOUR COMPLETE FLEET ON ONE SCREEN



THE COLOUR OF THE BOX SHOWS DEVICE STATUS



# MOBILE DEVICE SUPPORT

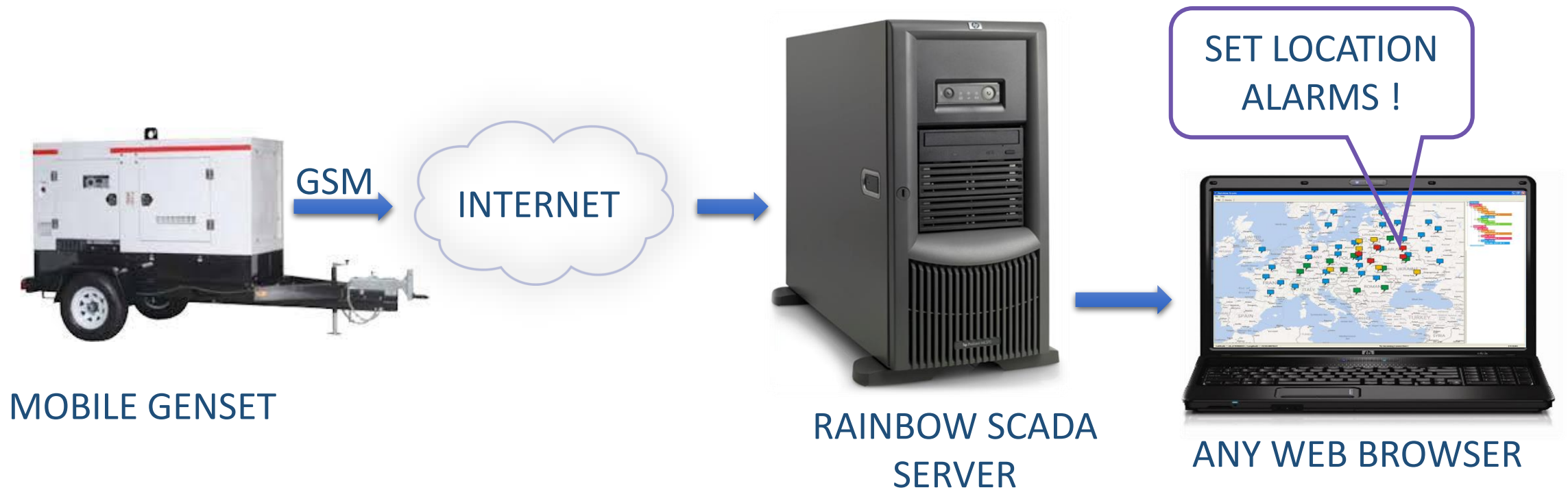
CONTROLLERS SHOWN AT TRUE COORDINATES WITH GPS SUPPORT





# MOBILE DEVICE SUPPORT

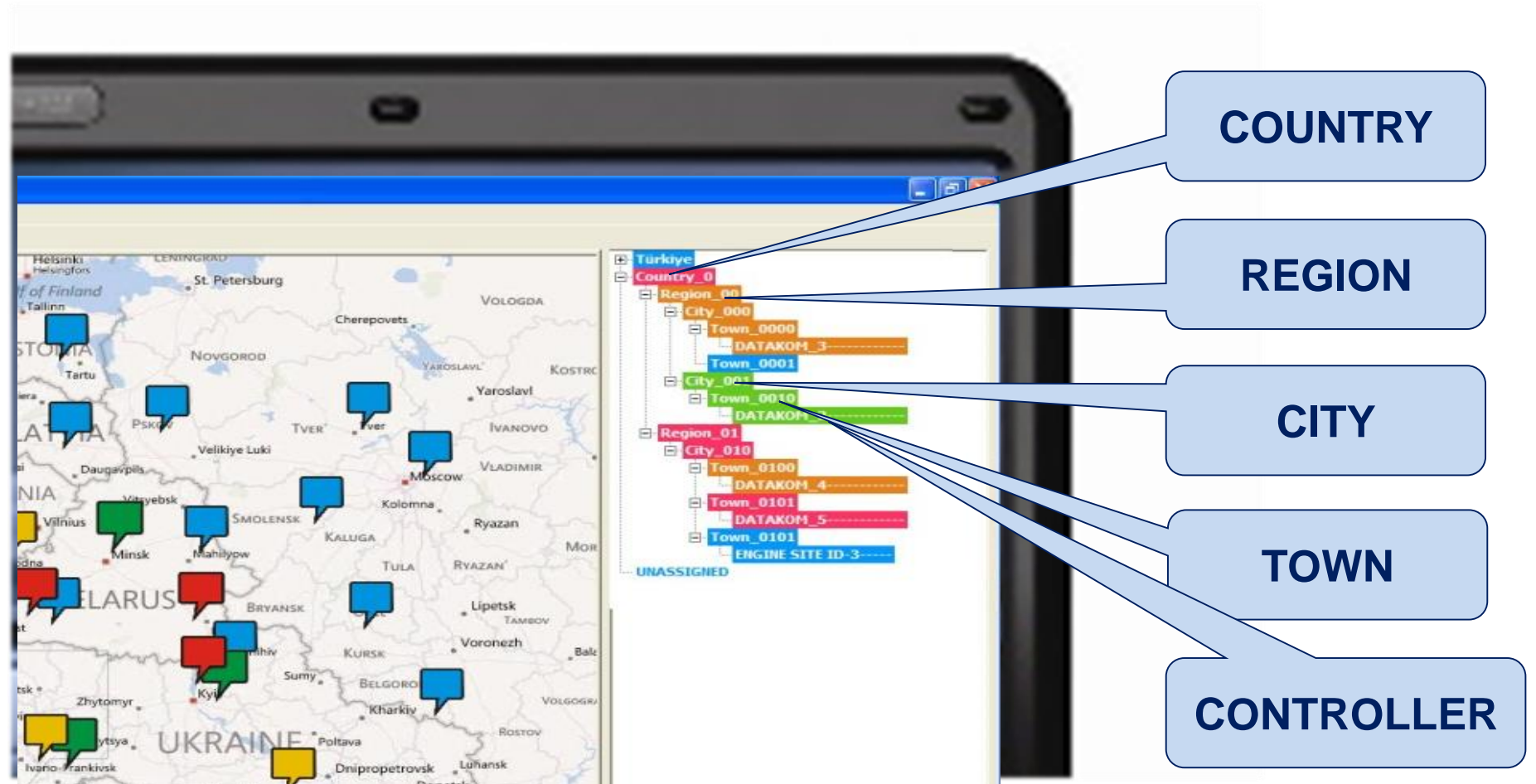
## LOCATION DETERMINATION OVER GSM NETWORK



MONITOR YOUR MOBILE FLEET ON-LINE !



# GROUPING OF GENSETS



REACH EVERY SINGLE GENSET WITH 4 MOUSE CLICKS



# TABLET PC & SMART PHONE SUPPORT

RAINBOW SCADA SERVER



ALL WEB BROWERS  
ARE SUPPORTED

NO NEED TO DOWNLOAD APPS !



# CREATE YOUR OWN ACCOUNT

**Rainbow Scada Login**

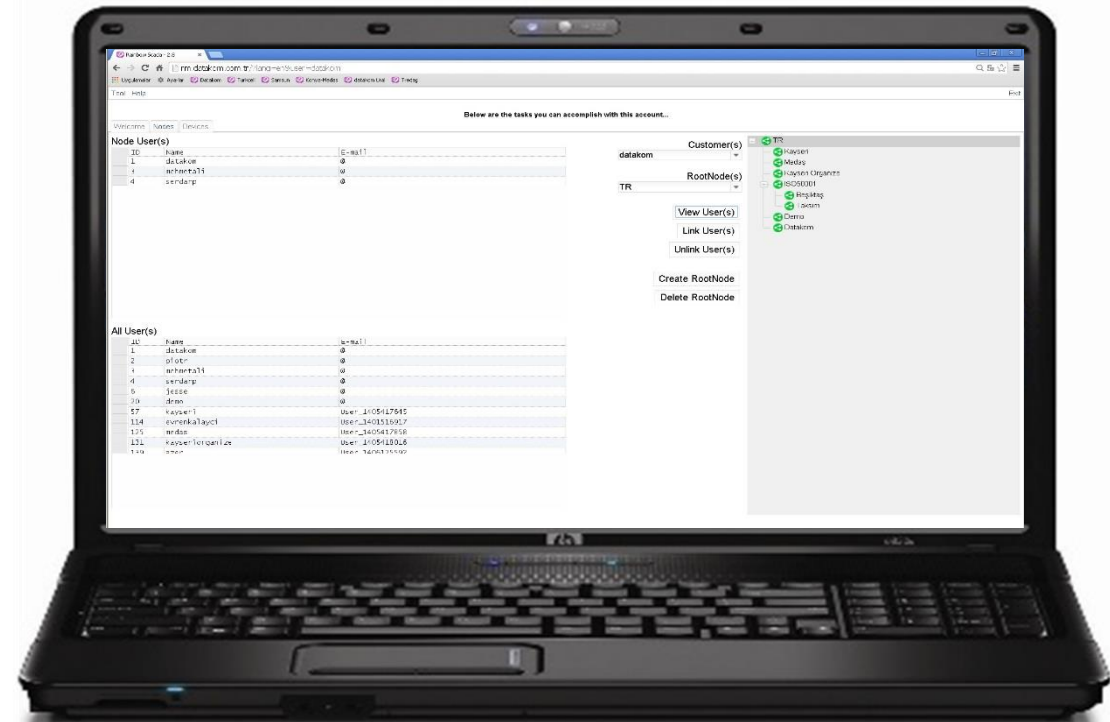
datakom

••••••••

Login

Manage

LOGIN AND USE  
«MANAGE»  
OPTION



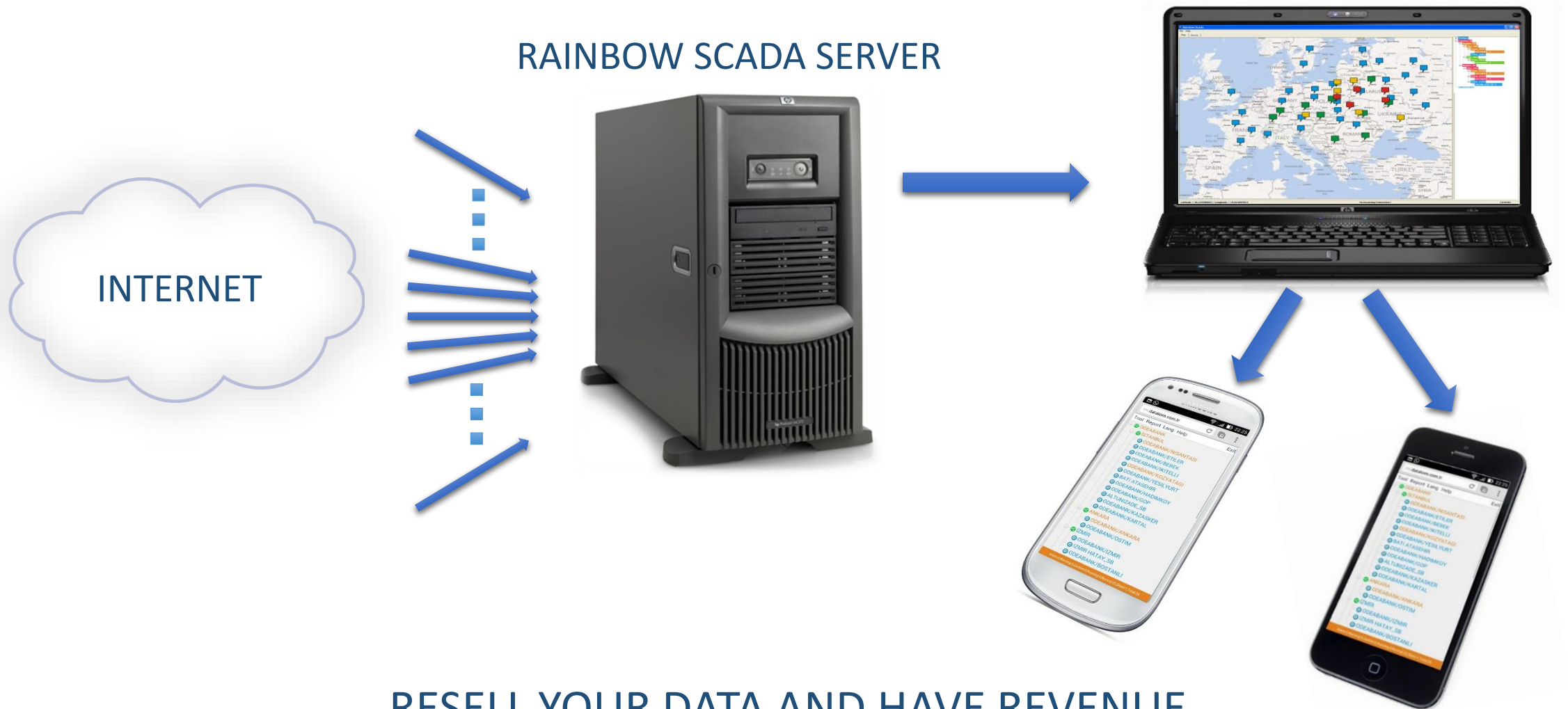
RAINBOW SCADA  
MANAGING SCREEN

NO NEED TO WAIT FOR SUPPORT



# CREATE YOUR OWN SUB\_USERS

RAINBOW SCADA SERVER



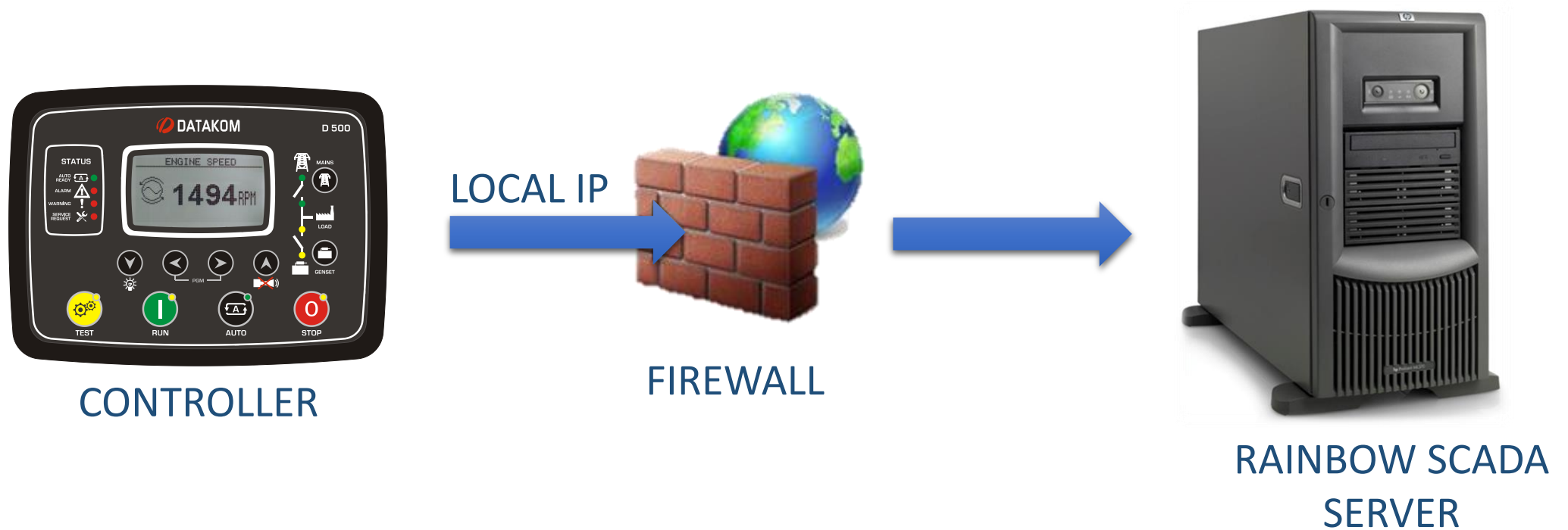
RESELL YOUR DATA AND HAVE REVENUE





# DATA SECURITY

DATA IS SENT TO RAINBOW SCADA SERVER ONLY !

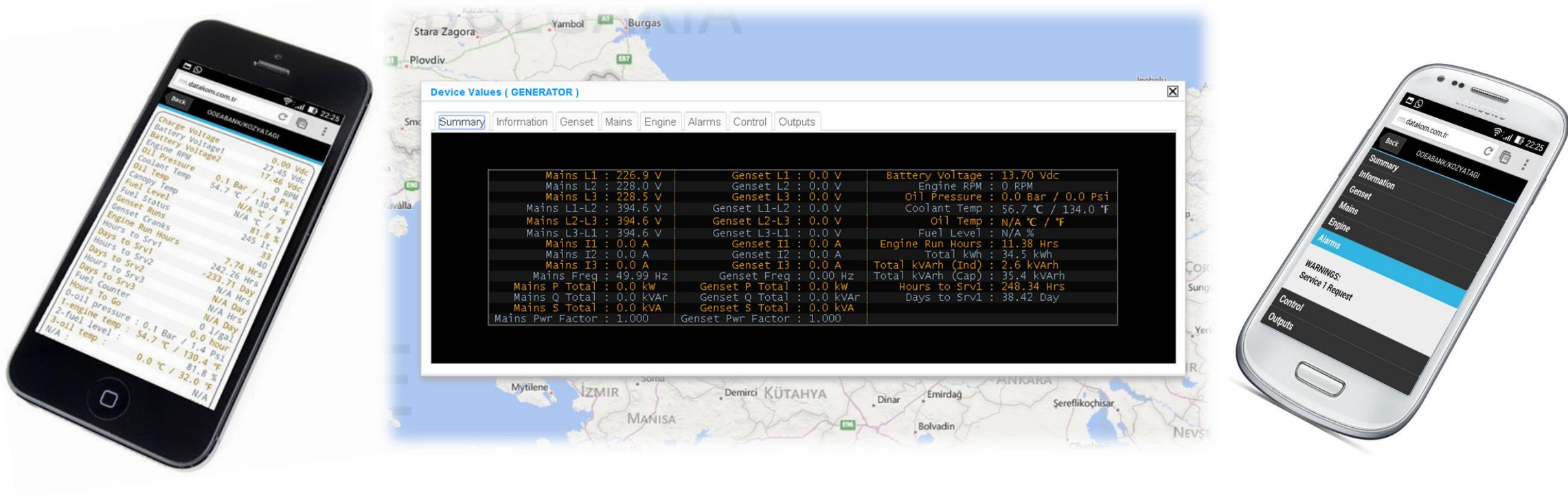


NOBODY CAN REACH YOUR CONTROLLER !



# DETAIL MONITORING

## MONITOR ONLINE & REAL TIME

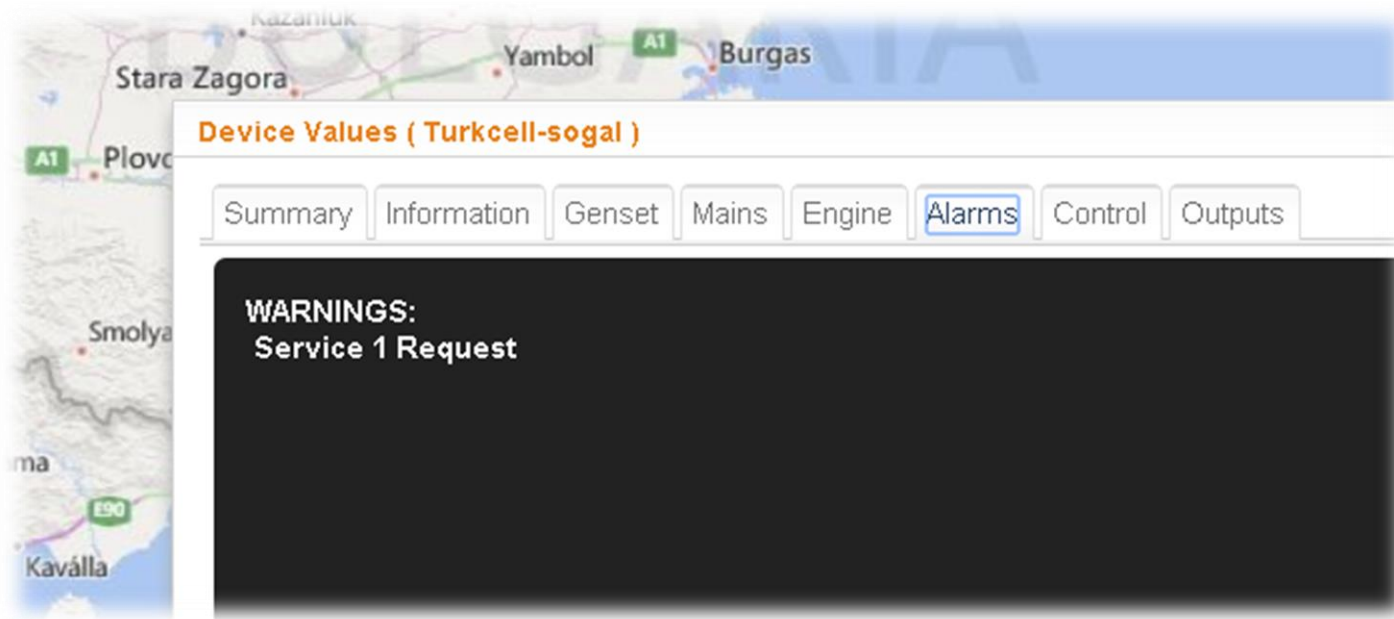


MONITOR WITH PC, TABLET OR SMARTPHONE



# REMOTE ALARM MONITORING

MONITOR ONLINE & REAL TIME

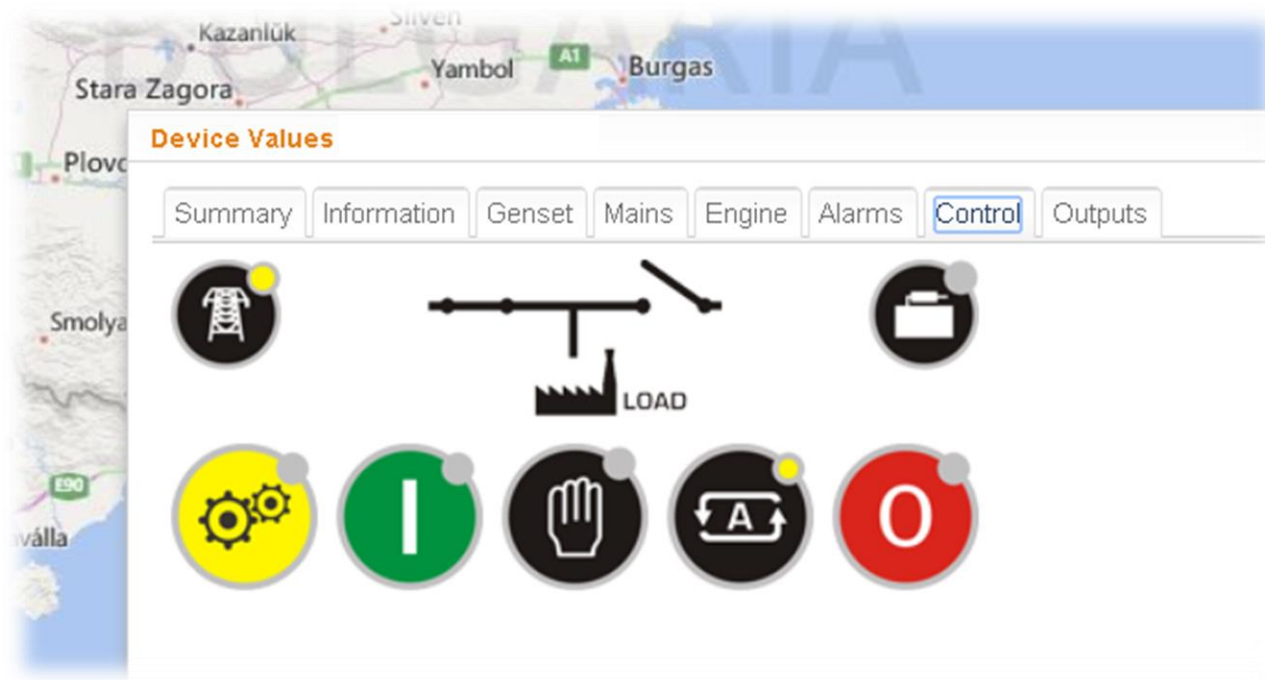


MONITOR WITH PC, TABLET OR SMARTPHONE



# REMOTE CONTROL & REMOTE FAULT RESET

## RESET ALARMS ONLINE & REAL TIME



RESET ALARMS WITH PC, TABLET OR SMARTPHONE



# REMOTE PARAMETER EDIT

CONTROLLER

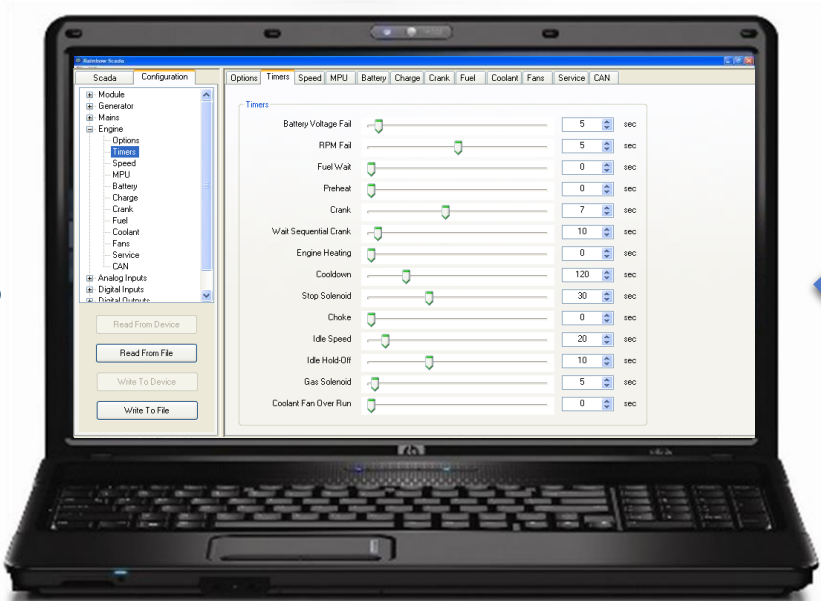


INTERNET

RAINBOW  
SCADA  
SERVER



RAINBOW PLUS  
PROGRAM



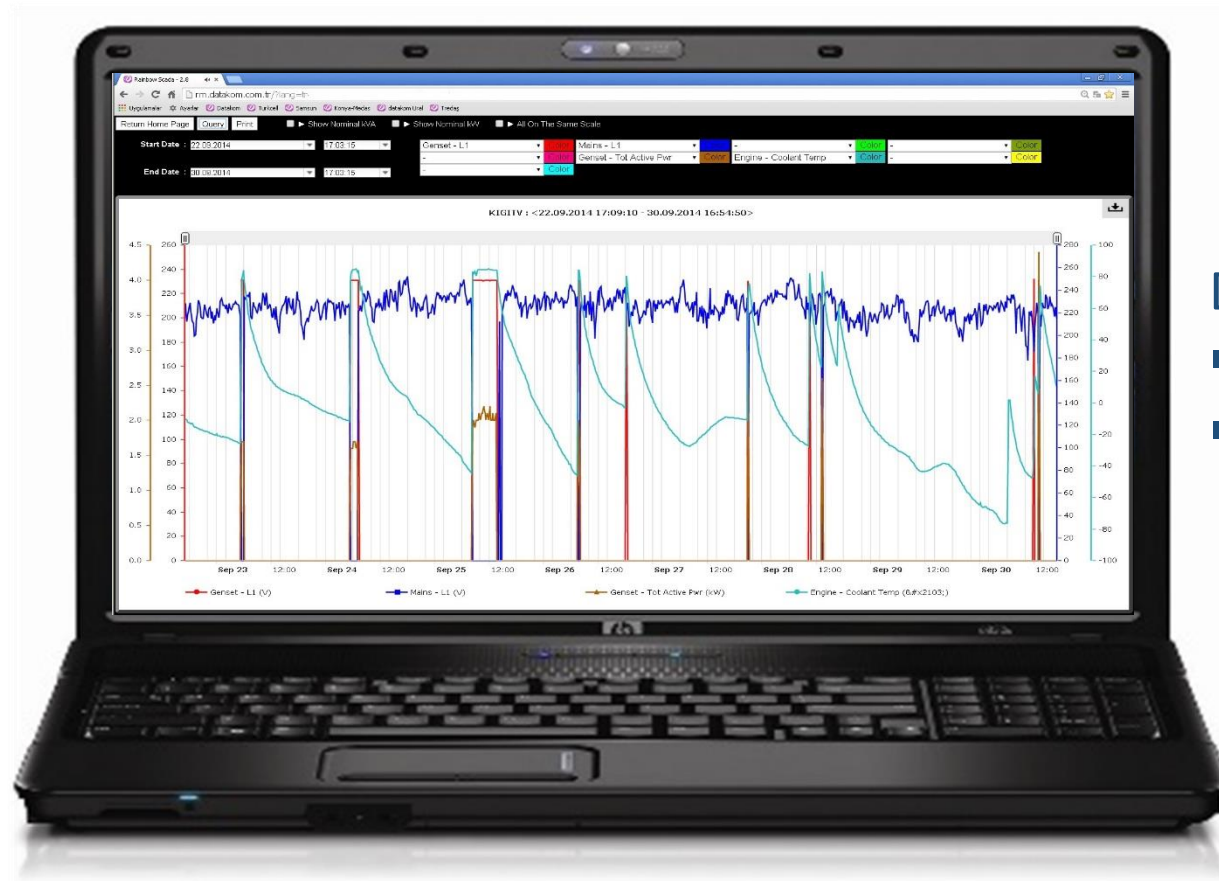
SAVE TIME AND SERVICE COST





# DATA ANALYSIS

PAST DATA IS STORED ON SERVER !



DATA CAN BE SAVED AS:

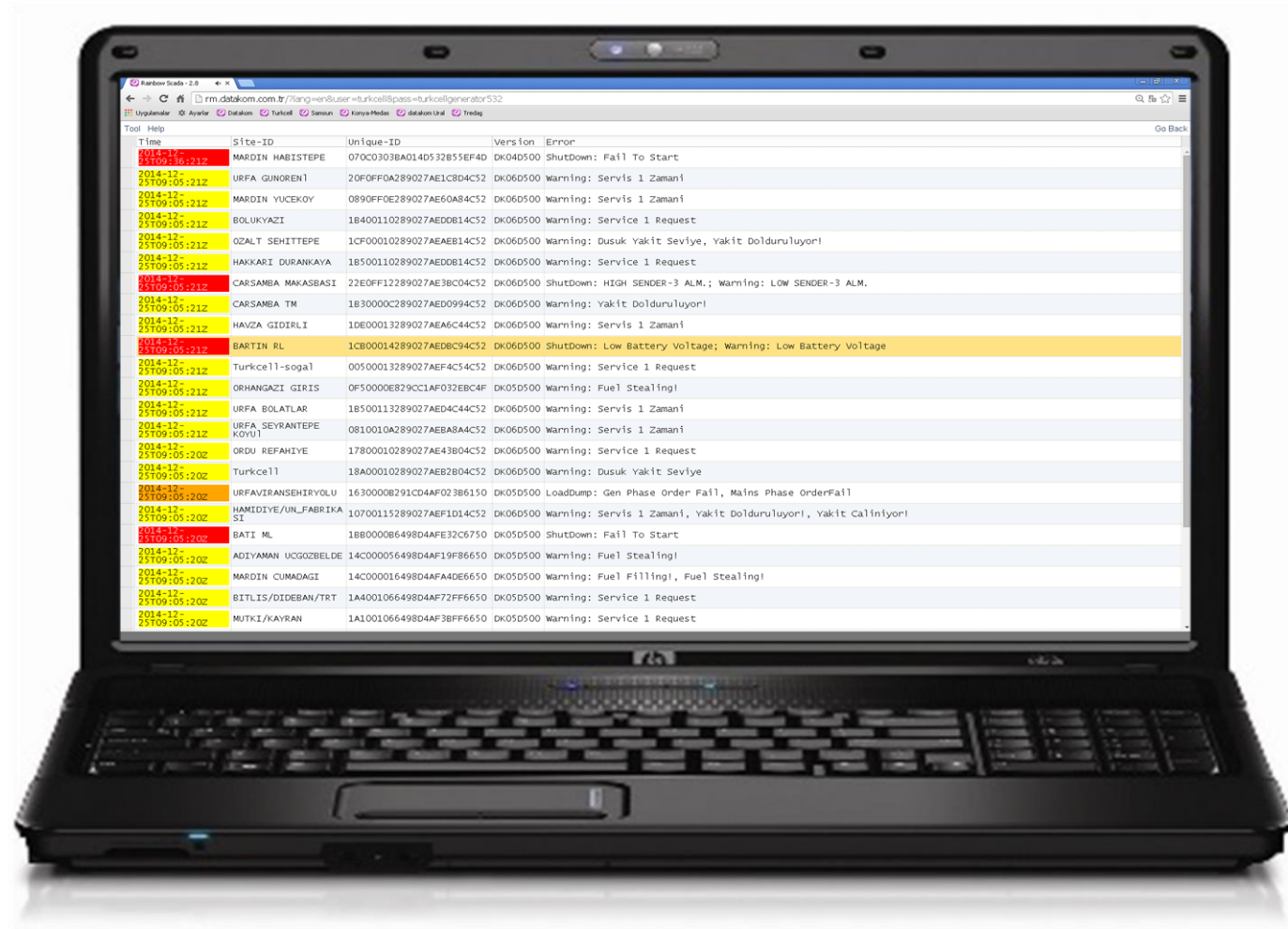
- JPG FILES
- EXCEL FILES

ANALYSE PAST PERFORMANCE OF YOUR SYSTEM !



# ONLINE ALARM MANAGEMENT

## DESIGNED FOR CONTROL CENTERS

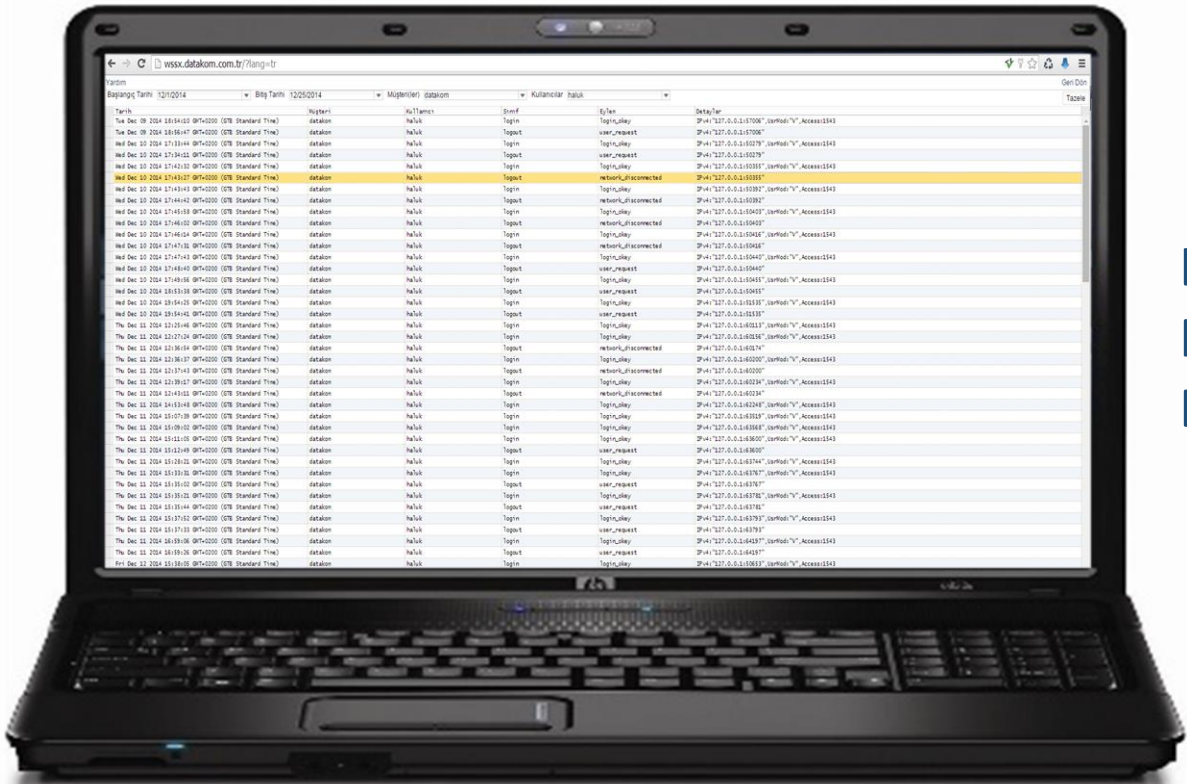


ALARM HISTORY IS  
RECORDED INTO  
DATABASE



# 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



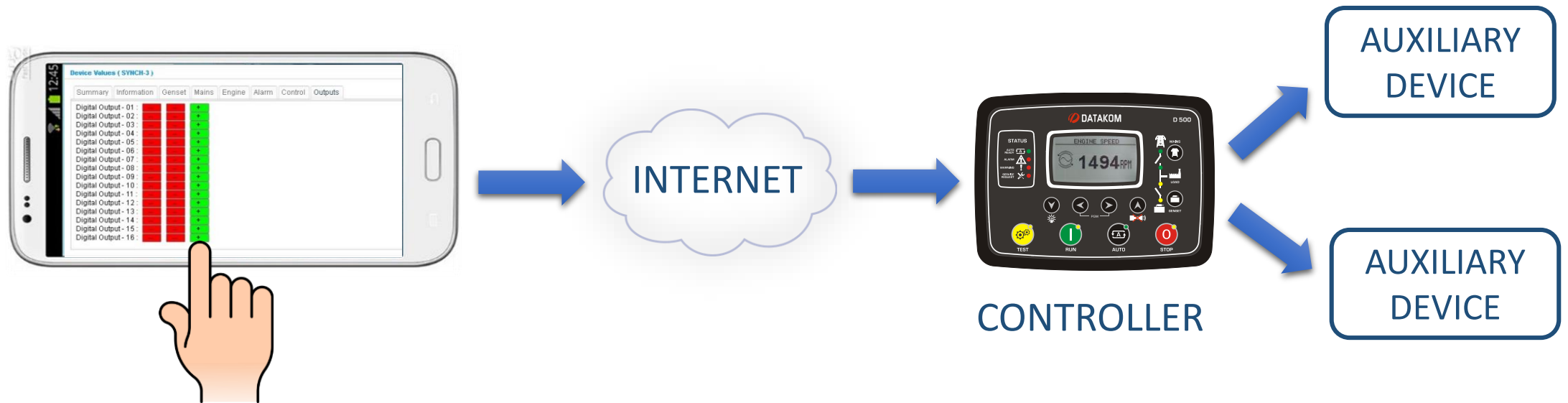
- FUEL CONSUMPTION REPORTS
- kW/fuel EFFICIENCY REPORTS
- POWER GENERATION REPORTS
- POWER CONSUMPTION REPORTS
- AVERAGE VALUES
- MIN-MAX VALUES

PROVIDES HELP FOR BETTER MANAGEABILITY OF YOUR FLEET !



# REMOTE CONTROL OF AUXILIARY DEVICES

## CONTROL YOUR STATION REMOTELY



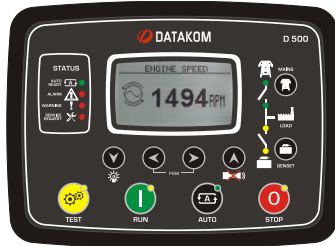
PC, TABLET & SMARTPHONE ENABLED





# MONITOR ALL DATAKOM PRODUCTS

GENSET  
CONTROLLERS



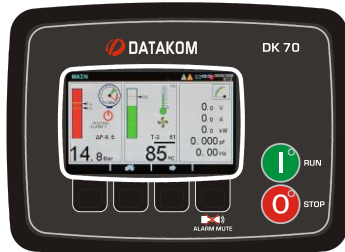
POWER  
ANALYSERS



REACTIVE  
POWER  
CONTROLLERS



COMPRESSOR  
CONTROLLERS



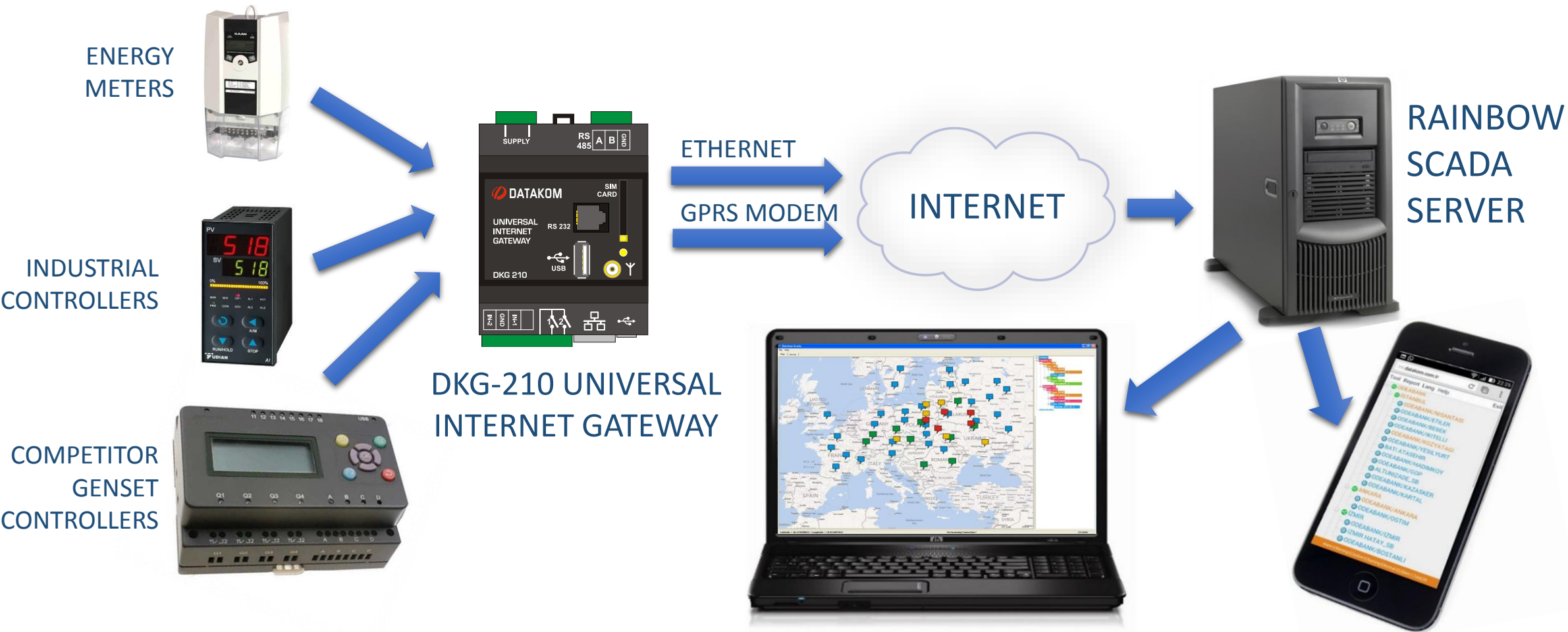
INTERNET

RAINBOW  
SCADA  
SERVER



# INTEGRAL APPROACH

## MONITOR THIRD PARTY & COMPETITOR PRODUCTS



# COST ADVANTAGE

MONITOR YOUR SYSTEM WITH LOWER COST !



CONTROLLER



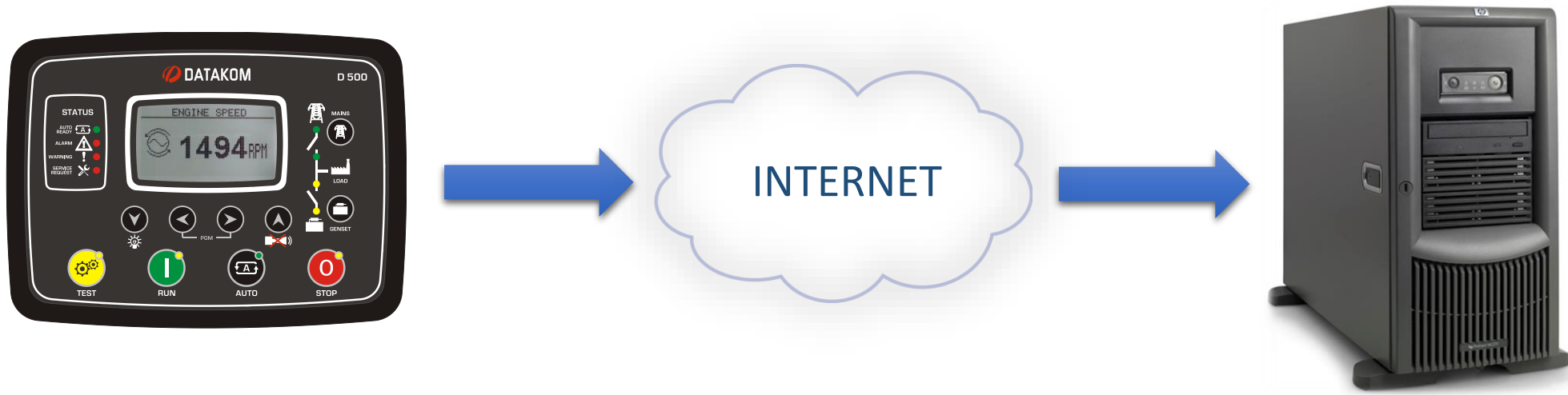
RAINBOW  
SCADA  
SERVER

- CONTROLLERS CONNECT AUTOMATICALLY
- NO NEED TO QUERY THE CONTROLLER
- ALL DATA IS SENT IN A SINGLE IP PACKET



# COST ADVANTAGE

EACH CONTROLLER COMES WITH 2 YEARS FREE MONITORING



- 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



**YES !**



**NO !**





# LESS MANPOWER FOR SERVICE

AVOID UNNECESSARY SITE VISITS



**NO !**



**YES !**



# ADVANTAGES

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- ☐ GENERATE ALERTS BEFORE THEY BECOME EMERGENCIES
- ☐ RESET FAULTS REMOTELY
- ☐ TEST YOUR GENSET REMOTELY
- ☐ REDUCE YOUR DOWN TIME WITH FASTER INTERVENTION
- ☐ AVOID UNNECESSARY SITE VISITS
- ☐ REDUCE YOUR SPARE PART COST BY SERVICE PLANNING
- ☐ HAVE DATA SECURITY
- ☐ INTEGRATE THIRD PARTY PRODUCTS IN THE SAME NETWORK
- ☐ CONTROL YOUR ENTIRE REMOTE STATION

