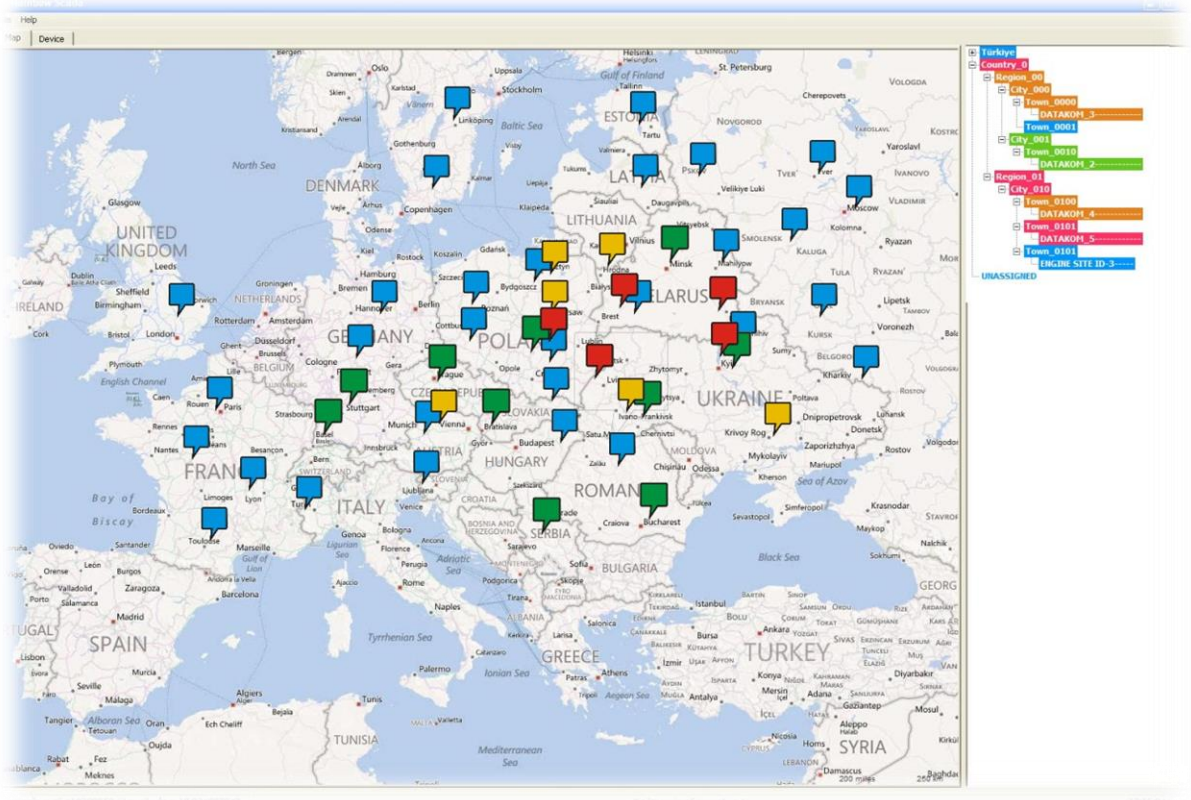


RAINBOW SCADA
REMOTE MONITORING & CONTROL SYSTEM

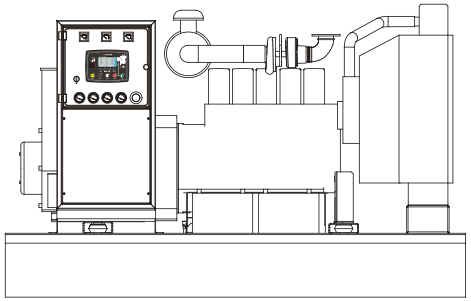
DATAKOM

HOW IT WORKS ?

CONTROLLER

INTERNET

RAINBOW SCADA SERVER



GENERATOR

ANY WEB BROWSER

DATAKOM

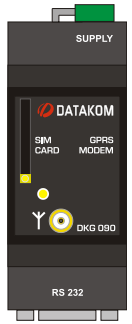
INTERNET CONNECTION

LAN + GPRS CONNECTIONS ENABLED !

CONTROLLER

ETHERNET PORT

RS 232



GPRS MODEM

GPRS MODEM

INTERNET

DUAL CONNECTIONS ALLOWED FOR ADDITIONAL SAFETY

DATAKOM

EASY INSTALLATION

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

CONTROLLER

LOCAL IP

FIREWALL

RAINBOW SCADA SERVER

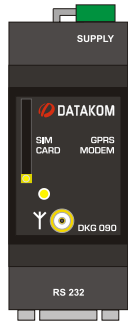
- NO **STATIC IP** REQUIRED
- NO PORT REDIRECTION REQUIRED
- NO DATA SERVER REQUIRED
- JUST PLUG & PLAY

DATAKOM

EASY INSTALLATION

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

CONTROLLER



GPRS MODEM

RAINBOW SCADA SERVER

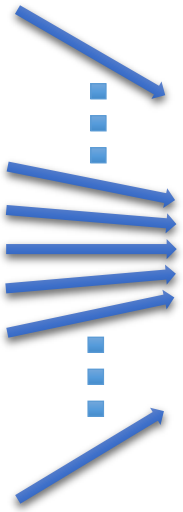
- NO **REAL IP** REQUIRED
- NO **STATIC IP** REQUIRED
- NO DATA SERVER REQUIRED
- PLUG & PLAY WITH ANY DATA SIM CARD

DATAKOM

RAINBOW SCADA PROGRAM

PROGRAM RUNS ON SERVER

INTERNET



RAINBOW SCADA SERVER

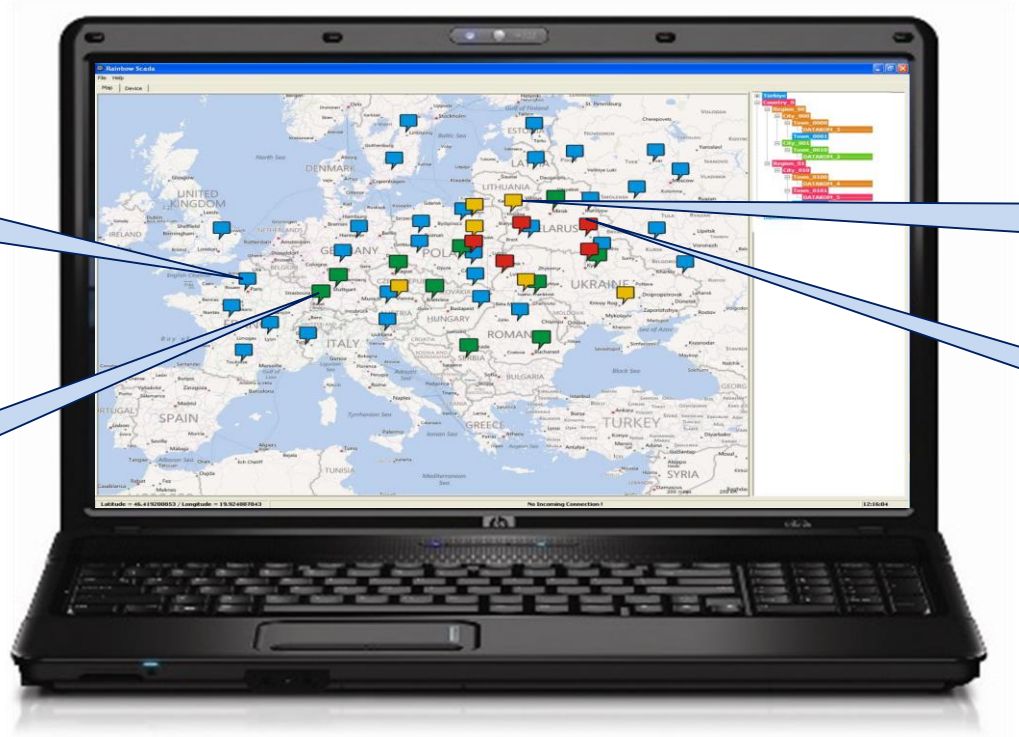
ANY WEB BROWSER

SIMULTANEOUSLY ACTIVE CONNECTIONS : 60.000

DATAKOM

CHART MODE DISPLAY

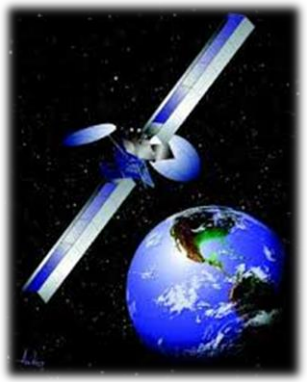
MONITOR YOUR COMPLETE FLEET ON ONE SCREEN



THE COLOUR OF THE BOX SHOWS DEVICE STATUS

DATAKOM

MOBILE DEVICE SUPPORT



CONTROLLERS SHOWN AT TRUE COORDINATES WITH GPS SUPPORT

INTERNET

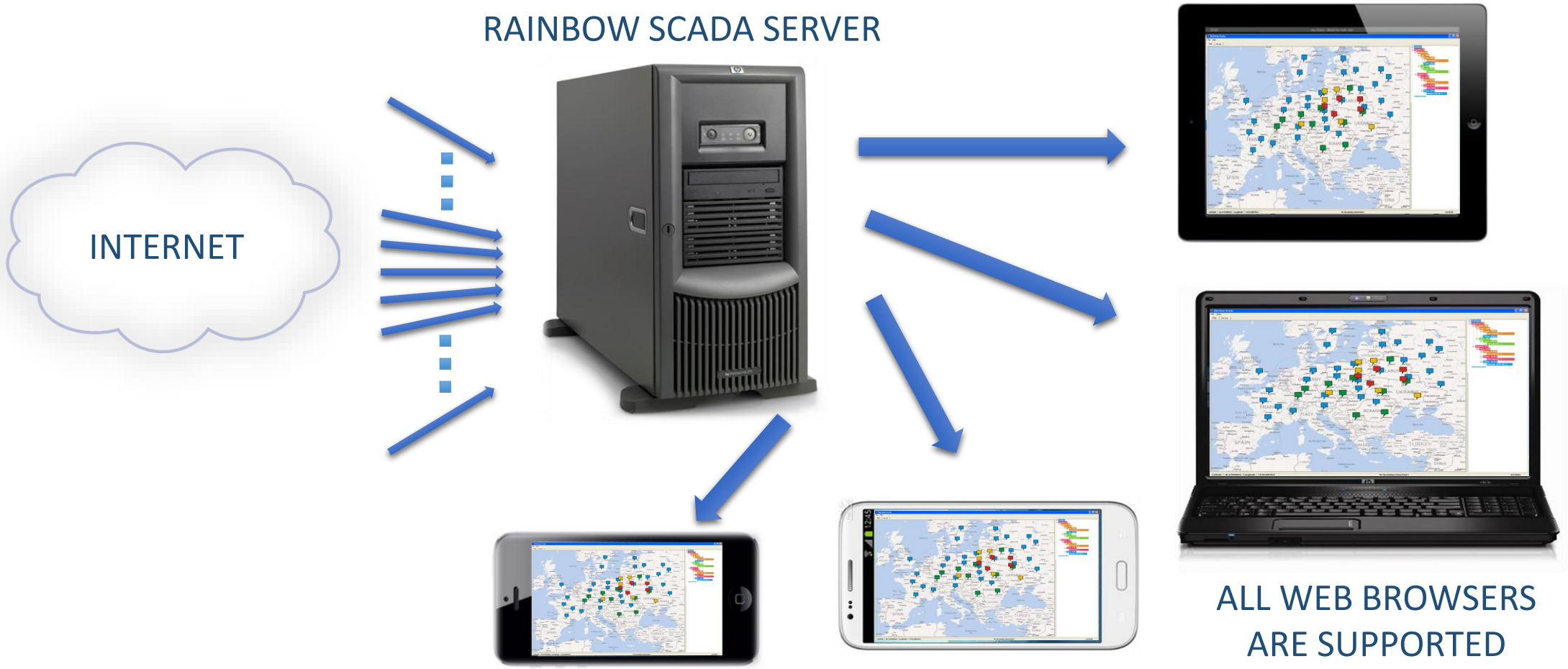
RAINBOW SCADA SERVER

MONITOR YOUR MOBILE FLEET ON-LINE !

DATAKOM

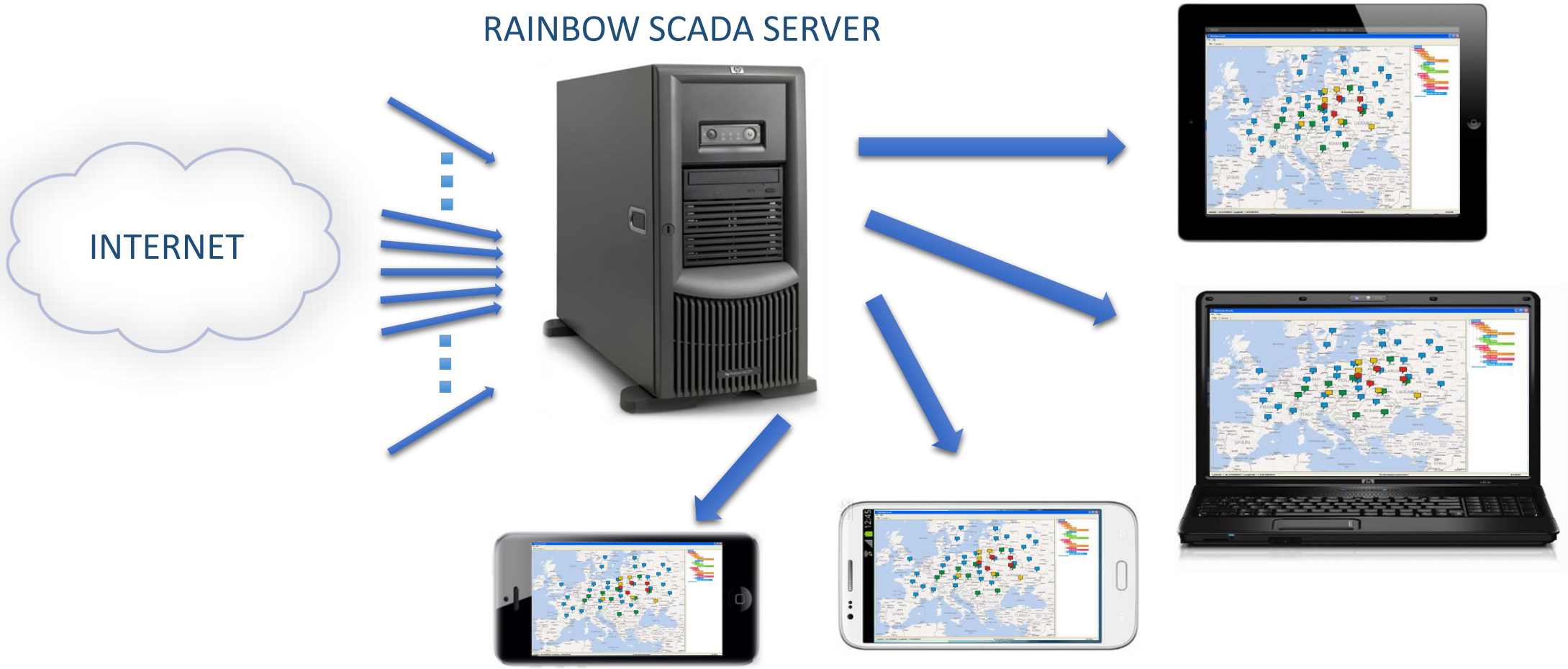
GROUPING OF GENSETS

TABLET PC & SMART PHONE SUPPORT



DATAKOM

CREATE YOUR OWN ACCOUNT



CREATE YOUR OWN SUB_USERS

RAINBOW SCADA SERVER

RESELL YOUR DATA AND HAVE REVENUE

DATAKOM

DATA SECURITY

DATA IS SENT TO RAINBOW SCADA SERVER ONLY !

CONTROLLER

LOCAL IP

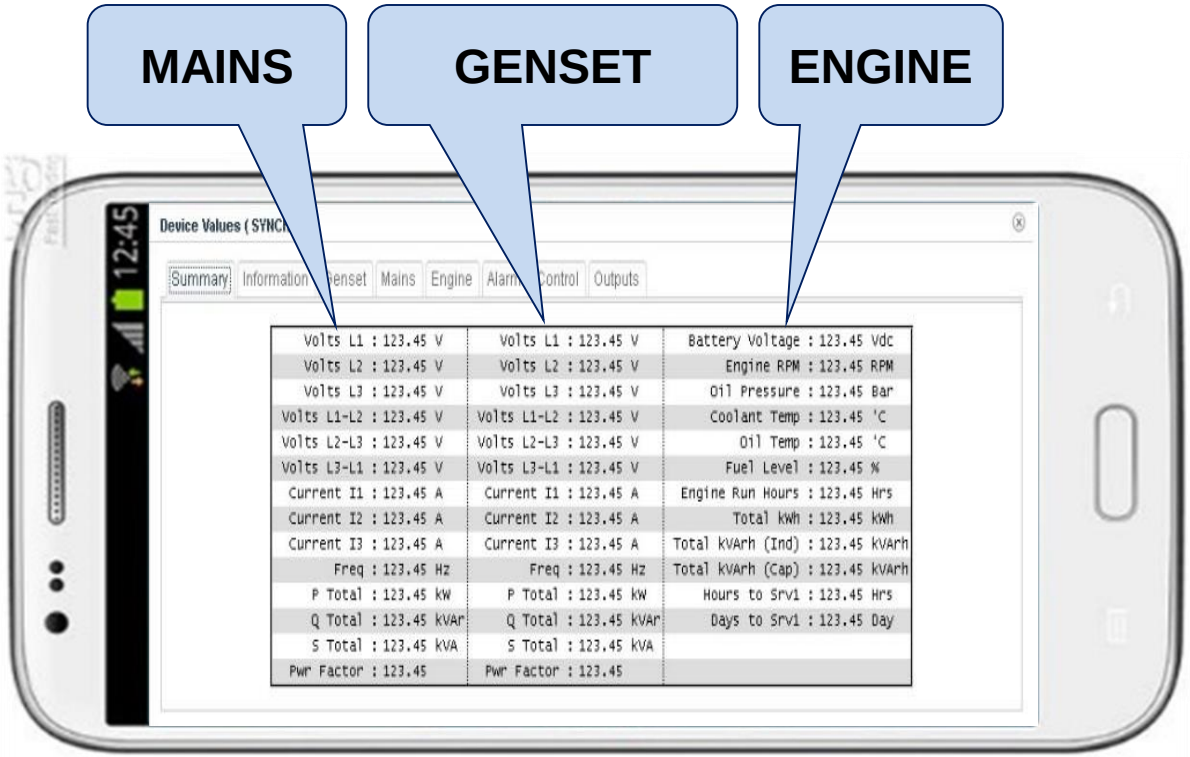
FIREWALL

RAINBOW SCADA SERVER

NOBODY CAN REACH YOUR CONTROLLER BEHIND FIREWALL !

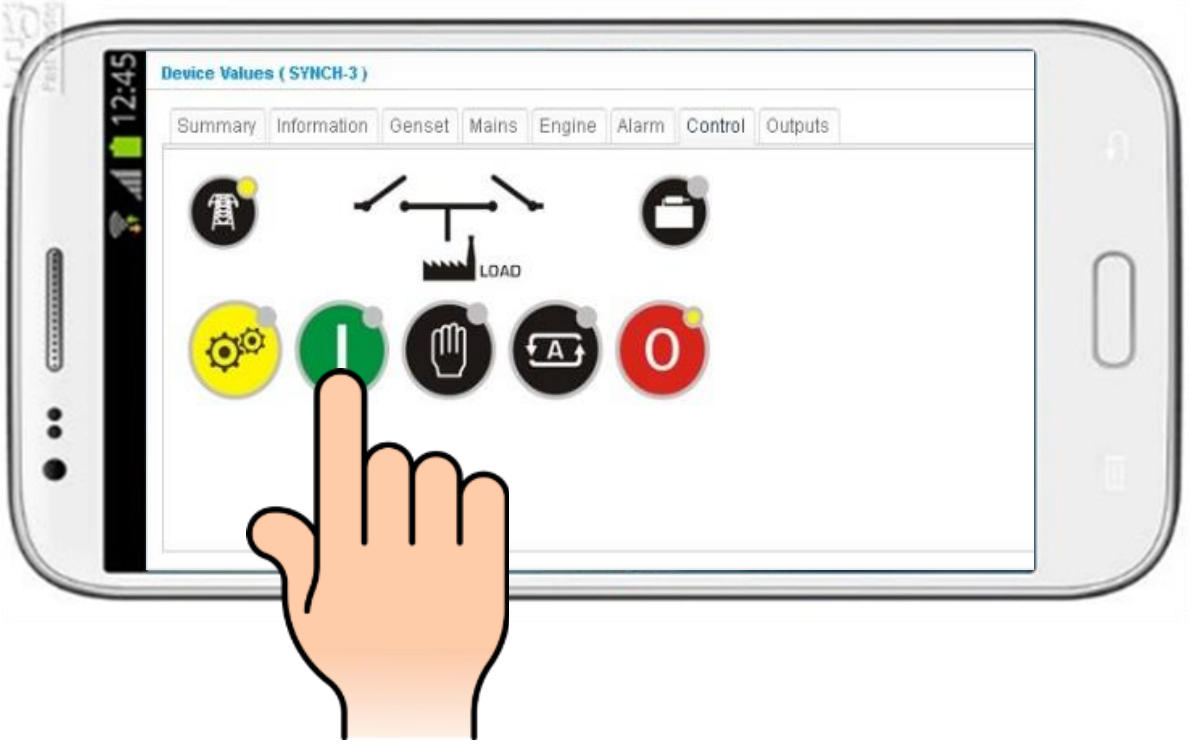
DATAKOM

DETAIL MONITORING

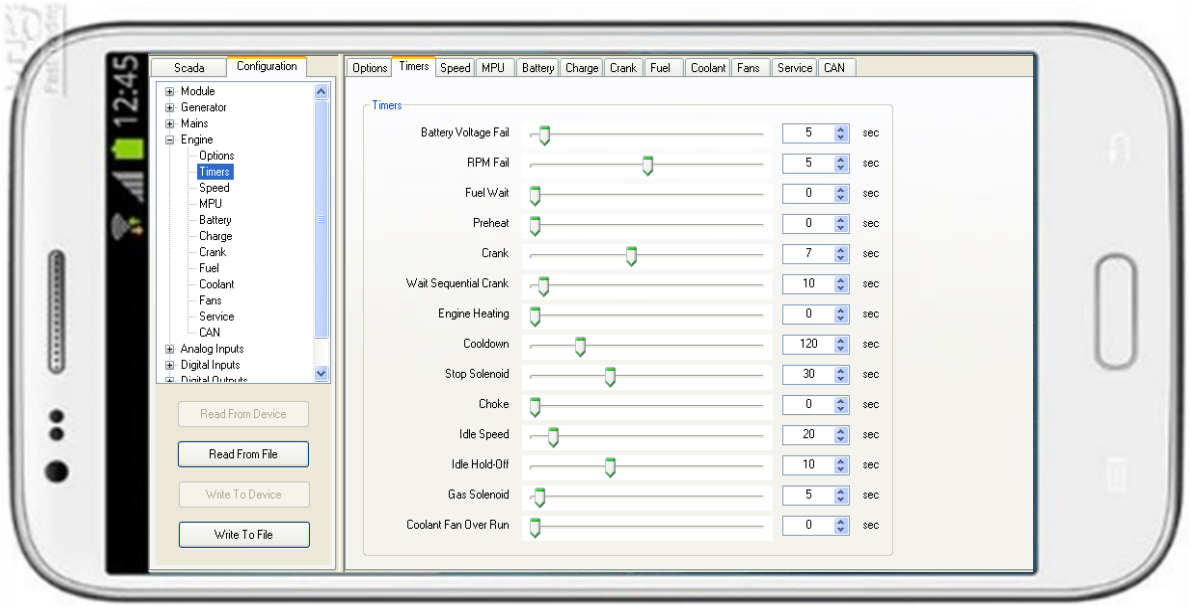


DATAKOM

REMOTE CONTROL & REMOTE FAULT RESET



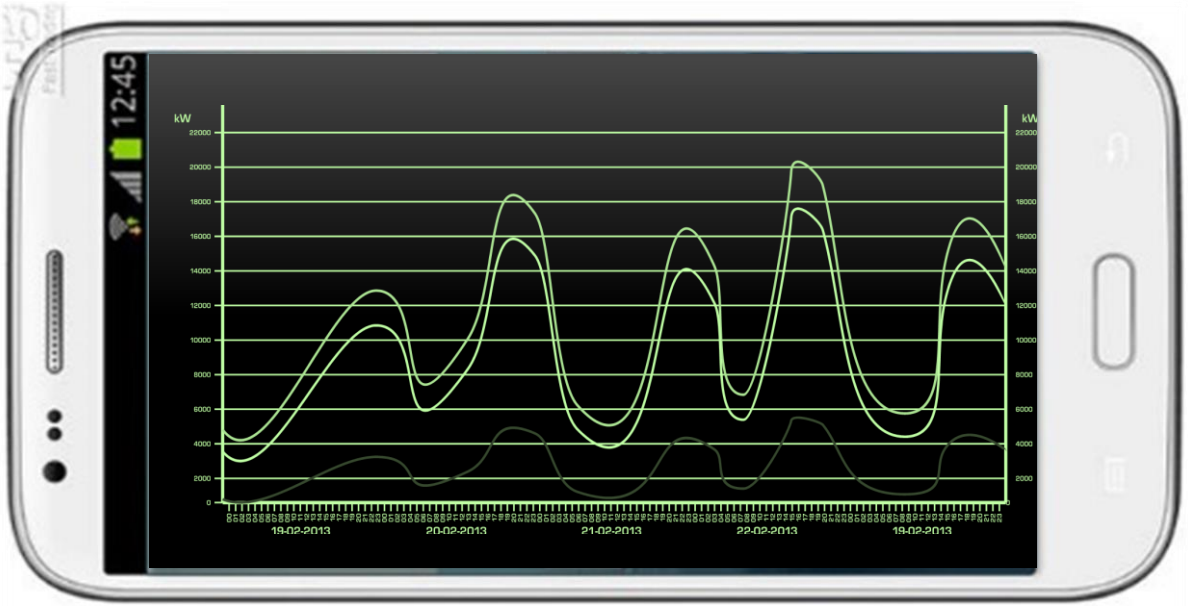
REMOTE PARAMETER EDIT



DATAKOM

DATA ANALYSIS

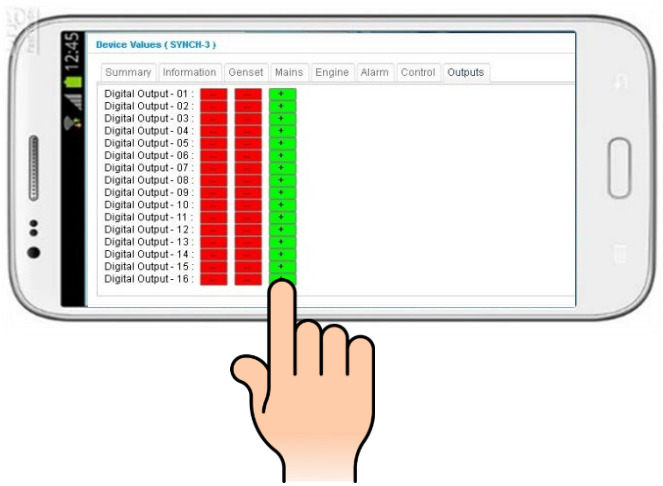
PAST DATA IS STORED ON SERVER !



ANALYSE PAST PERFORMANCE OF YOUR SYSTEM !

DATAKOM

REMOTE CONTROL OF AUXILIARY DEVICES



INTERNET

CONTROLLER

AUXILIARY DEVICE

AUXILIARY DEVICE

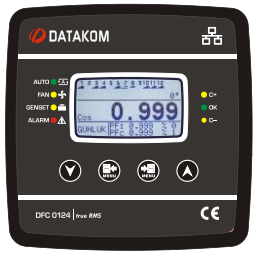
DATAKOM

MONITOR ALL DATAKOM PRODUCTS

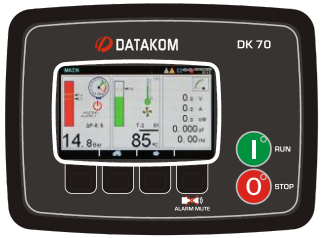
GENSET CONTROLLERS

POWER ANALYSERS

REACTIVE POWER CONTROLLERS



COMPRESSOR CONTROLLERS



INTERNET

RAINBOW SCADA SERVER

ANY WEB BROWSER

DATAKOM

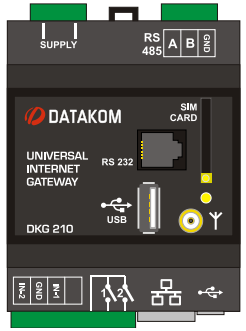
INTEGRAL APPROACH

MONITOR THIRD PARTY PRODUCTS

ENERGY METERS

INDUSTRIAL CONTROLLERS

INDUSTRIAL CONTROLLERS



DKG-210 UNIVERSAL INTERNET GATEWAY

ETHERNET PORT

GPRS MODEM

INTERNET

RAINBOW SCADA SERVER

COST ADVANTAGE

MONITOR YOUR SYSTEM WITH LOWER COST !

CONTROLLER

INTERNET

RAINBOW SCADA SERVER

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

DATAKOM

COST ADVANTAGE

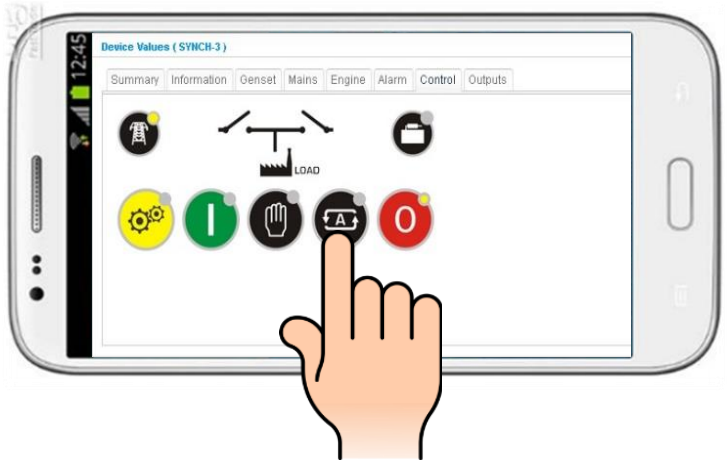
EACH CONTROLLER COMES WITH 2 YEARS FREE MONITORING

- 2 YEARS FREE MONITORING
- 6 MONTHS FREE REMOTE CONTROL
- 6 MONTHS FREE REMOTE PARAMETER EDIT
- 6 MONTHS FREE DATA ANALYSIS

DATAKOM

IMMEDIATE FAULT DETECTION

REDUCE CUSTOMER'S DOWN TIME WITH FASTER INTERVENTION



YES !

NO !

DATAKOM

LESS MANPOWER FOR SERVICE

AVOID UNNECESSARY SITE VISITS

NO !

YES !

ADVANTAGES

- ❑ 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