RAINBOW SCADA
REMOTE MONITORING & CONTROL SYSTEM
HOW IT WORKS?

CONTROLLER 🔄 INTERNET 🔄 RAINBOW SCADA SERVER 🔄 ANY WEB BROWSER

GENERATOR
INTERNET CONNECTION

LAN + GPRS CONNECTIONS ENABLED!

DUAL CONNECTIONS ALLOWED FOR ADDITIONAL SAFETY
EASY INSTALLATION

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

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

CONTROLLER  ➔  LOCAL IP  ➔  FIREWALL  ➔  RAINBOW SCADA SERVER
EASY INSTALLATION

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

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

PROGRAM RUNS ON SERVER

INTERNET

RAINBOW SCADA
SERVER

ANY WEB BROWSER

SIMULTANEOUSLY ACTIVE
CONNECTIONS : 60,000
CHART MODE DISPLAY

MONITOR YOUR COMPLETE FLEET ON ONE SCREEN

THE COLOUR OF THE BOX SHOWS DEVICE STATUS

GENSET AT REST

GENSET RUNNING

WARNING CONDITION

SHUTDOWN ALARM
MOBILE DEVICE SUPPORT

CONTROLLERS SHOWN AT TRUE COORDINATES WITH GPS SUPPORT

INTERNET

RAINBOW SCADA
SERVER

MONITOR YOUR MOBILE FLEET ON-LINE!
GROUPING OF GENSETS

COUNTRY
REGION
CITY
TOWN
CONTROLLER
TABLET PC & SMART PHONE SUPPORT

INTERNET

RAINBOW SCADA SERVER

ALL WEB BROWSERS ARE SUPPORTED
CREATE YOUR OWN ACCOUNT

INTERNET

RAINBOW SCADA SERVER
CREATE YOUR OWN SUB_USERS

INTERNET → 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!
REMOTE CONTROL & REMOTE FAULT RESET
REMOTE PARAMETER EDIT
DATA ANALYSIS

PAST DATA IS STORED ON SERVER!

ANALYSE PAST PERFORMANCE OF YOUR SYSTEM!
REMOTE CONTROL OF AUXILIARY DEVICES

CONTROLLER

INTERNET

AUXILIARY DEVICE

AUXILIARY DEVICE
MONITOR ALL DATAKOM PRODUCTS

- Genset Controllers
- Power Analysers
- Reactive Power Controllers
- Compressor Controllers

Internet

Rainbow SCADA Server

Any Web Browser
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!

- 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

- 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

- 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