

# DCS

Endüstriyel Kontrol Sistemleri & Yazılım ve Donanım Mühendisliği



Distributed Industrial Control Systems  
**ENGINEERING &  
Consulting Services**



[www.dcsteknik.com](http://www.dcsteknik.com) [www.enerjikontrolsistemleri.com](http://www.enerjikontrolsistemleri.com) [www.sulamakontrol.net](http://www.sulamakontrol.net)

Remote Wireless Automation & Remote Wireless Control

## DCS RF GSM RTU

Water Well & Water Tank & Silo Level and float control units

Remote area Energy, Well, Warehouse, Machinery, Irrigation and Lighting Control systems

**DCS RF RTU**  
**DCS GSM RTU**  
**DCS DAQ DIO**

DCS RF GSM RTU Systems; Wireless Remote Controls, Remote Tracks, Gives You Access, Informs, Tracking And Provides Management, Offers Reporting Opportunity.

With RF, in open area with radius of 60 km from 500 meters,  
with GSM Wherever there is GSM network communication  
Plug and Play Systems that can provide field control in remote area

**Water well-tank controls, remote engine controls , remote area security systems,  
remote site controls ...**



DCS GSMDAQ DIO



**Su Kuyu-Depo kontrollerinde , uzak alanda motor kontrollerinde , uzak alan güvenlik sistemlerinde , uzak saha kontrollerinde...**

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Tic. Sicil No : 7750 / 10742 - ARDA V.D Sicil No : 2400057395

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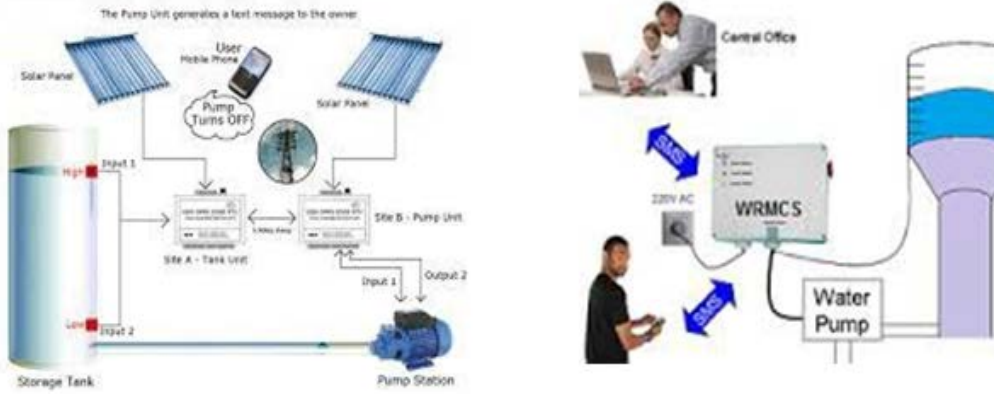
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**DCS RF RTU Series RF Control Systems** communicate freely between each other as pump and warehouse unit over RF ISM bands.

Communication between RF ISM (LoRaTM Frequency Spectrum) wireless communication systems, ENCRYPTED & DIGITAL PROCESSOR CONTROLLED & LEGAL COMMUNICATION It is provided through modules that operate on the FREQUENCY BAND. Modules working on unlicensed RF ISM (Industrial Scientific Medicine) and (Lora Data Radio Modem) bands, Frequency spectrum modulation / demodulation, multi-channel operation, Besides having high bandwidth efficiency and anti-blocking properties, it also has high performance, it ensures a secure wireless connection.

Control system software and system design used, is our own software and design. Necessary infrastructure equipment has been developed based on the risc-based microcontroller main processor, control systems have been designed and required software has been developed.

In this way, we can provide all kinds of configuration and system changes in line with the demands of our customers. DCS GSM RTU Series GSM based control systems communicate via GSM modules via GSM TCP / IP & GPRS internet.

Over the GSM network, pumps or motors in remote locations via your mobile phone, you can send commands over the phone on and off. You can program the operating time of the pump or motor, may receive a report, you may be aware of the power outage.

Through mutual "MESSAGING", they allow you to remotely control our remote site controls remotely.

Direct relay outputs on DCS RF & GSM RTU devices, digital outputs and digital inputs, temperature and humidity sensor inputs, There are motor speed control outputs.

Your devices connected to DCS RF & GSM RTU; You can remotely monitor the status of your systems that you will connect digital inputs as well as remotely.

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- Uzaktan kontrol ihtiyacı duyulan her türlü DC & AC MOTOR ünitelerinde
- Uzaktan kontrol ihtiyacı duyulan hertürlü hareket kontrol sistemlerinde
- Sinema & tv sektöründe foxy crane & jumy jib gibi çekim sistemlerinde
- Ağır yük kaldırma, Vinç sistemlerinde



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- Warning system: Transformer theft situations, problems in the machines, power cuts, etc. you may be aware.
- Remote Control: You can control the equipment you connect to device relays over the GSM network via DCS RF & GSM RTU in the remote area with your gsm phone, and you can do field control from your location.

### **GSM based Field Control Systems;**

It provides field control in remote area with commands via GSM over the general control unit. It sends the field information to the general control unit via GSM. It controls the field, activates or deactivates the systems in line with the commands it receives.

### **RF based Field Control Systems;**

It provides field control in the remote area with commands received via RF ISM communication over the general control unit. Sends the field information to the general control unit via RF ISM. It controls the field, activates or deactivates the systems in line with the commands it receives.

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For example, for a well storage Control; system parameters that can be controlled;

- With / without electricity
- Water / no water
- With / without pressure
- Temperature / freezing control
- Engine running / stopped control
- Motor failure / thermal control
- Building environmental safety, door open / closed
- Analog (0-20mA, 4-20mA, 0-10V) Water Level information transfer

Can be counted.



**Water Tank and Well Control systems;**  
It consists of a set of wells and warehouse control units.

The Tank Control device to be connected to the tank is programmed to report the level information received from the float switch in the tank to the other device controlling the pump in the Water well.

The Well Control device installed in the well is programmed to control the pump in the water well according to the tank level information received from the tank control unit in the tank.

Both control units are programmed to take automatic security measures by sharing fault information with each other.

Both controllers are programmed to provide information to a single main control unit and receive an emergency start-stop command from this unit.



**Made in Turkey**

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