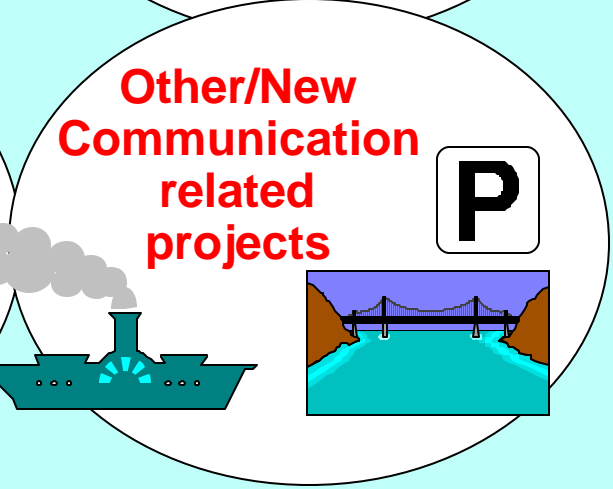
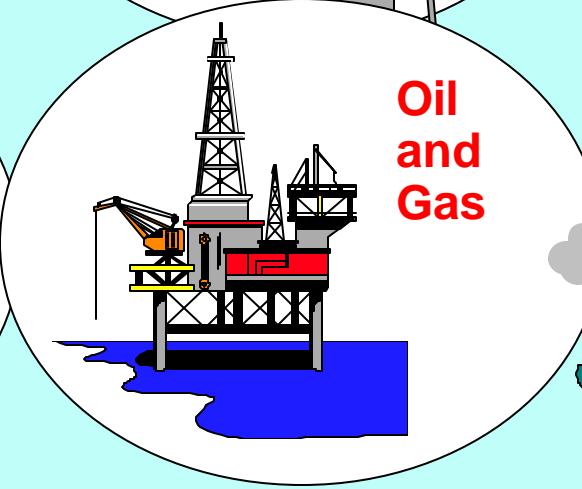
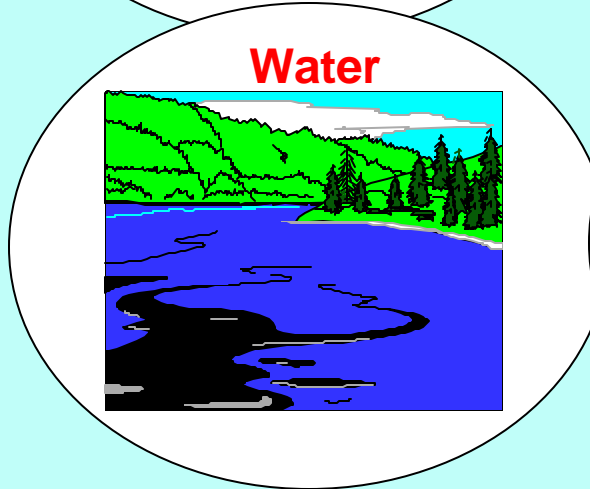
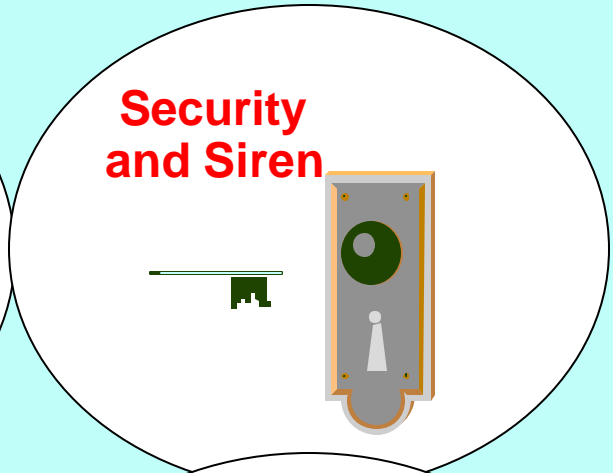
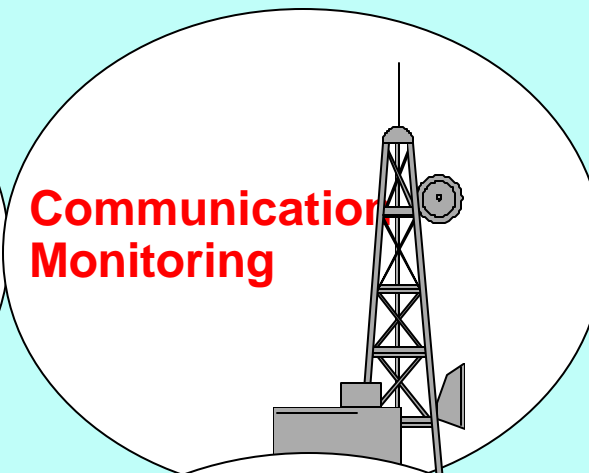
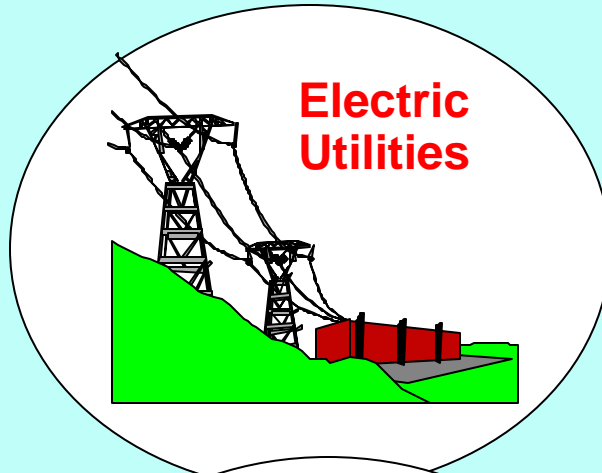


# MOSCAD

## Customer Cases

# Motorola SCADA

## Major Markets



# Warsaw Thermal Network

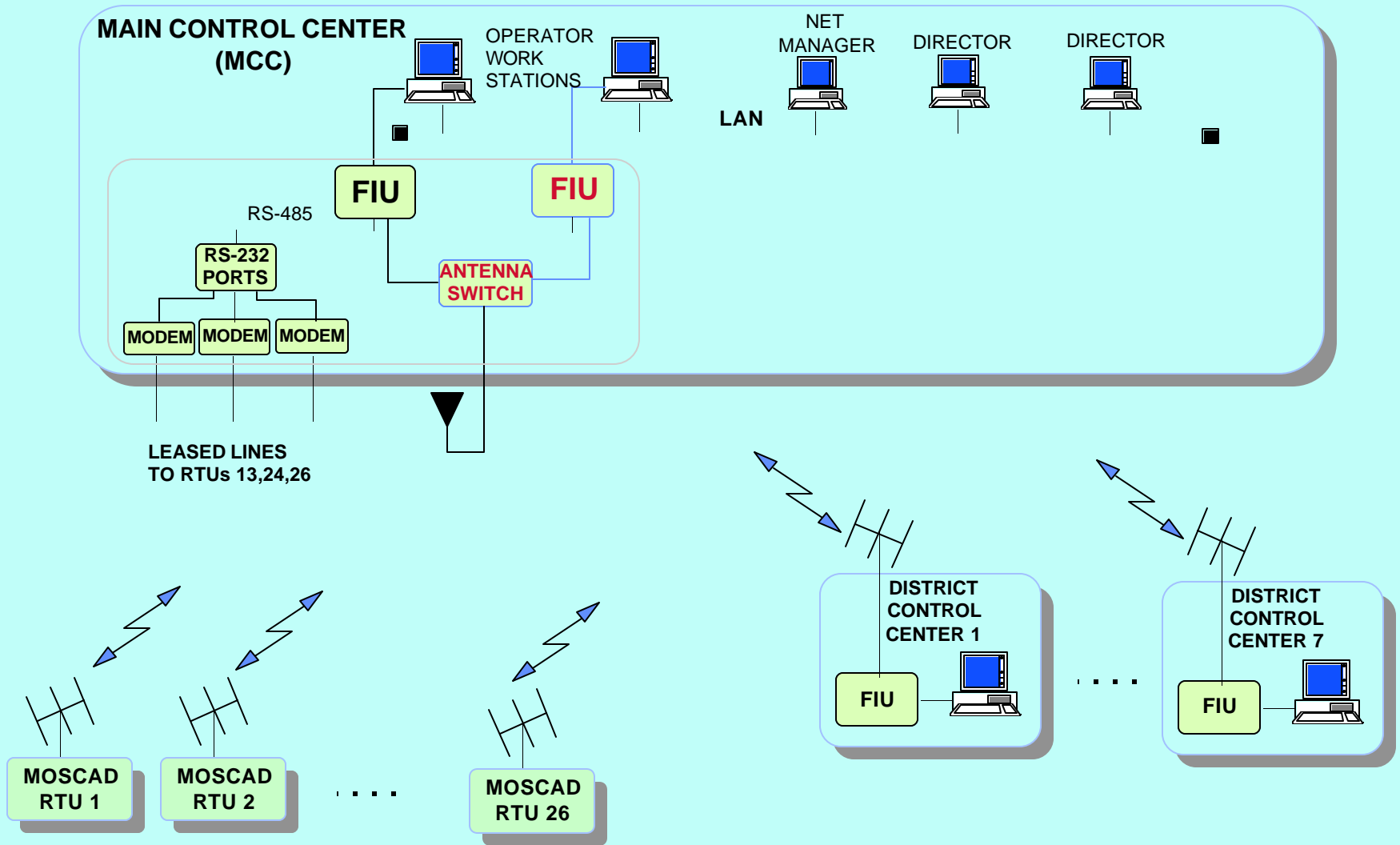
## SCADA System (SPEC)

### Poland

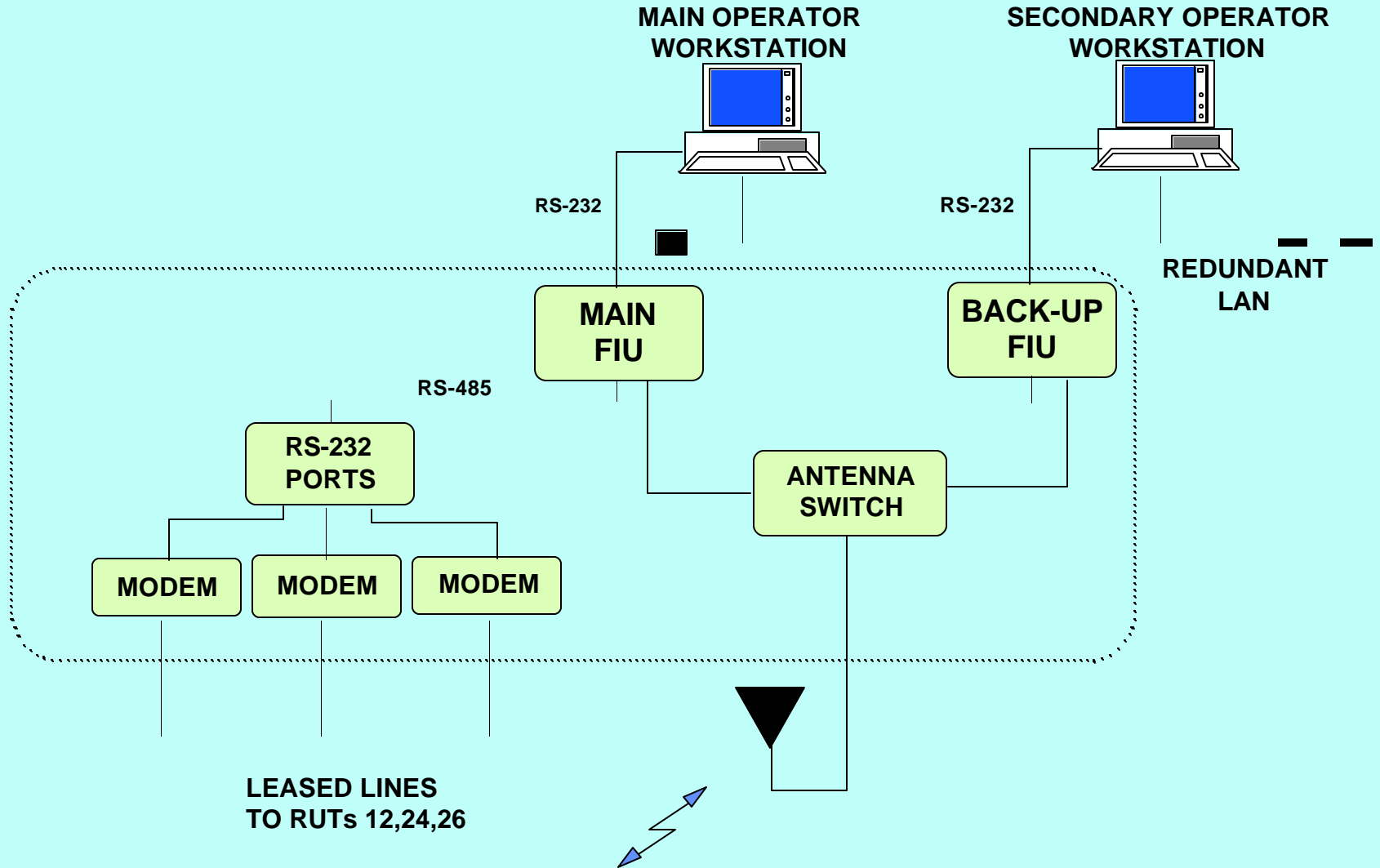
### R.P.Telekom



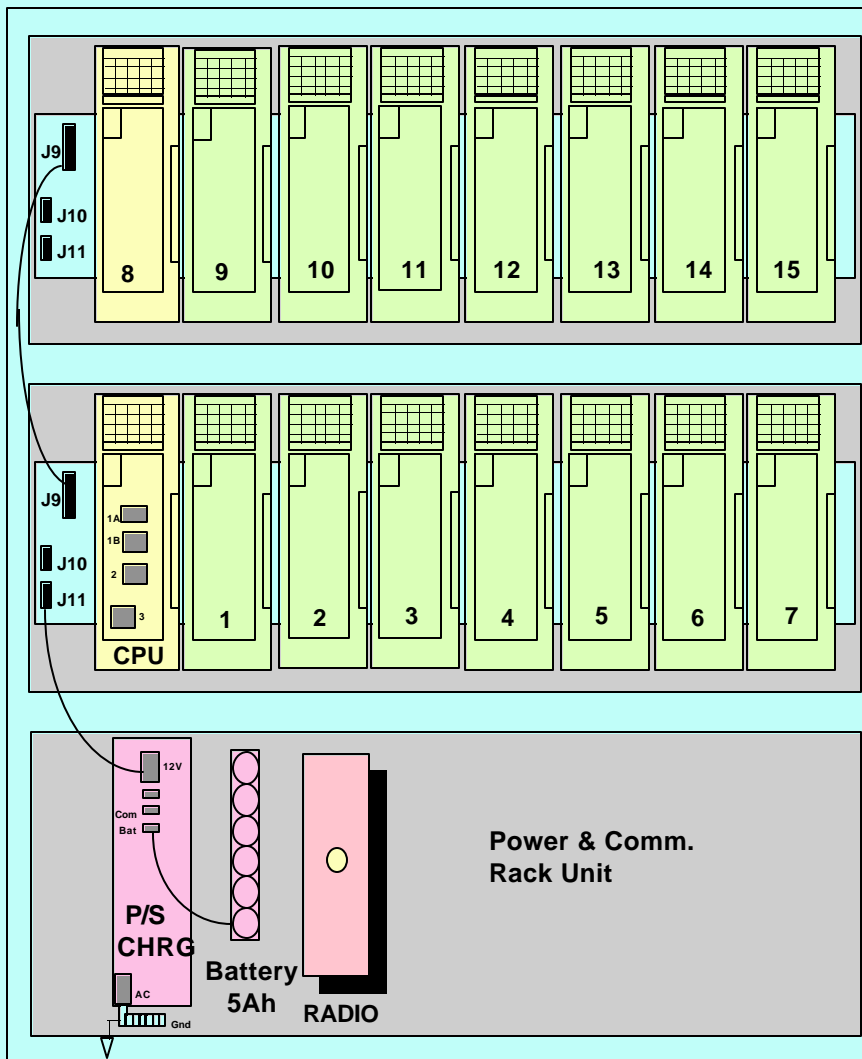
# Warsaw Thermal Network SCADA System (SPEC)



# Hot-Stand-By MCC Configuration



# RTU Configuration - example



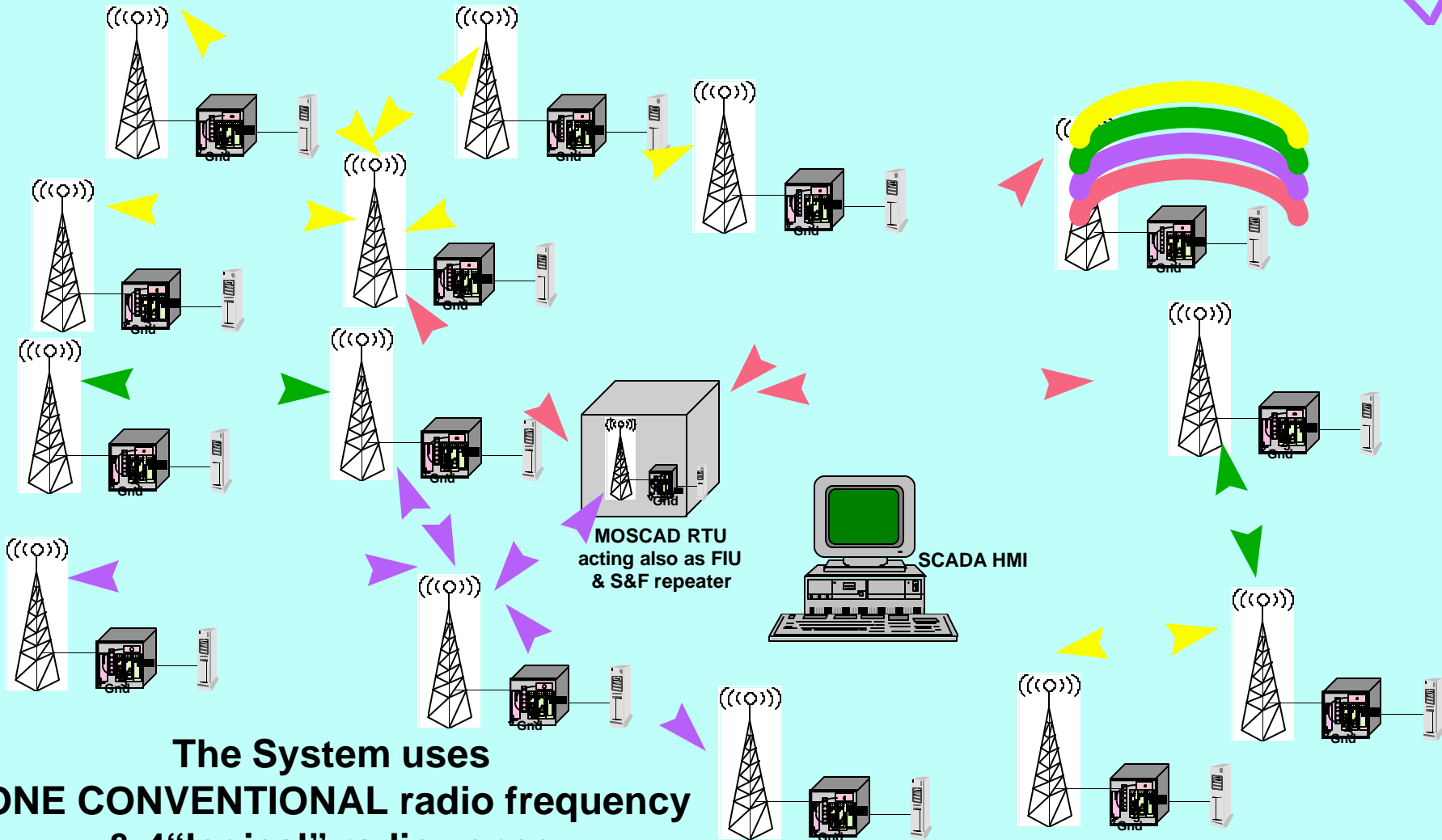
Site ID:20		Link Id:RADIO 1		
Application Name:WHW_RT20				
RACK:0 MODULE:1				
MODULE TYPE : 8 AI				
PIN	INPUT	Nazwa Svanalu	Kierunek	Zakres Pomiarowy
1	AN1 +	T2	H6	0-150 C
2	AN1 -			
3	AN2 +	P1		0-1.6 MPa
4	AN2 -			
5				
6	P. GND			
7	AN3 +	P2		0-1 MPa
8	AN3 -			
9	AN4 +	P1	T7	0-1.6 MPa
10	AN4 -			
11	AN5 +	P2	T7	0-1 MPa
12	AN5 -			
13	AN6 +	T1	T6	0-150 C
14	AN6 -			

# Gas Distribution Control System

Ukraine

VEGA

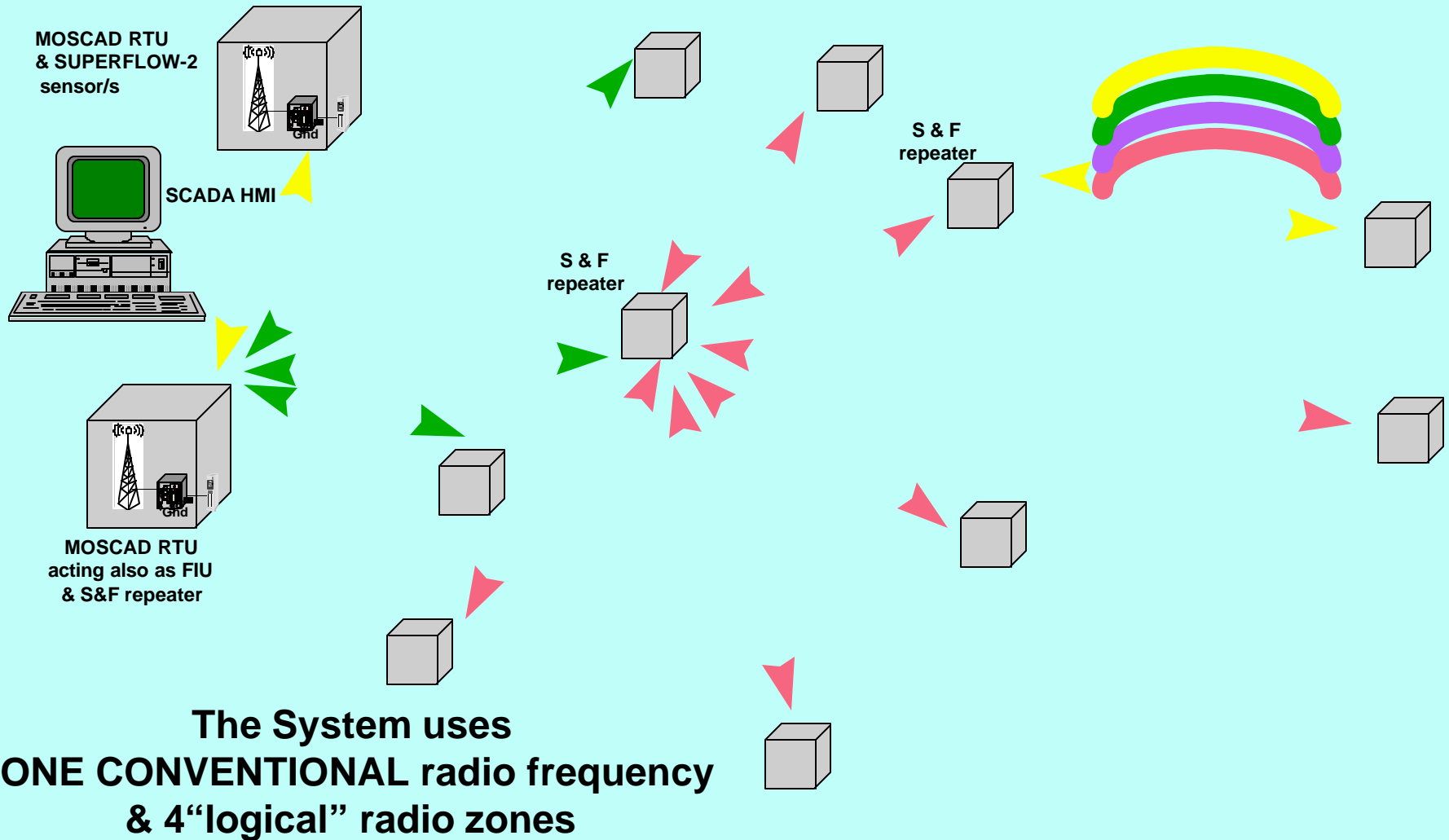
# Gas Distribution Control & Data transmission in Kharkov region



The System uses  
**ONE CONVENTIONAL** radio frequency  
& 4 "logical" radio zones



# Gas Distribution Control & Data transmission in Donbass region



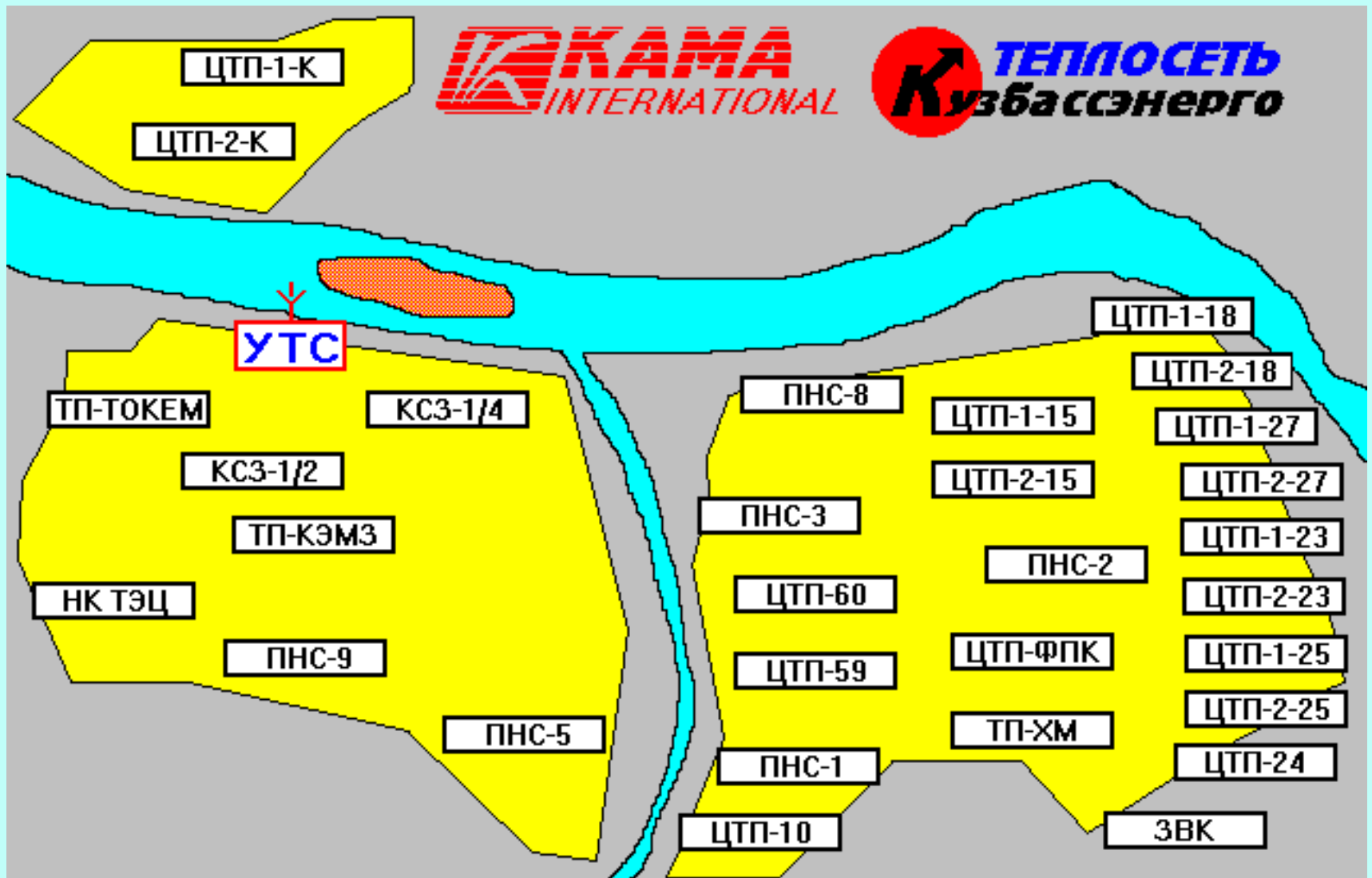


# Hot Water Control System - Phase One

## Russia

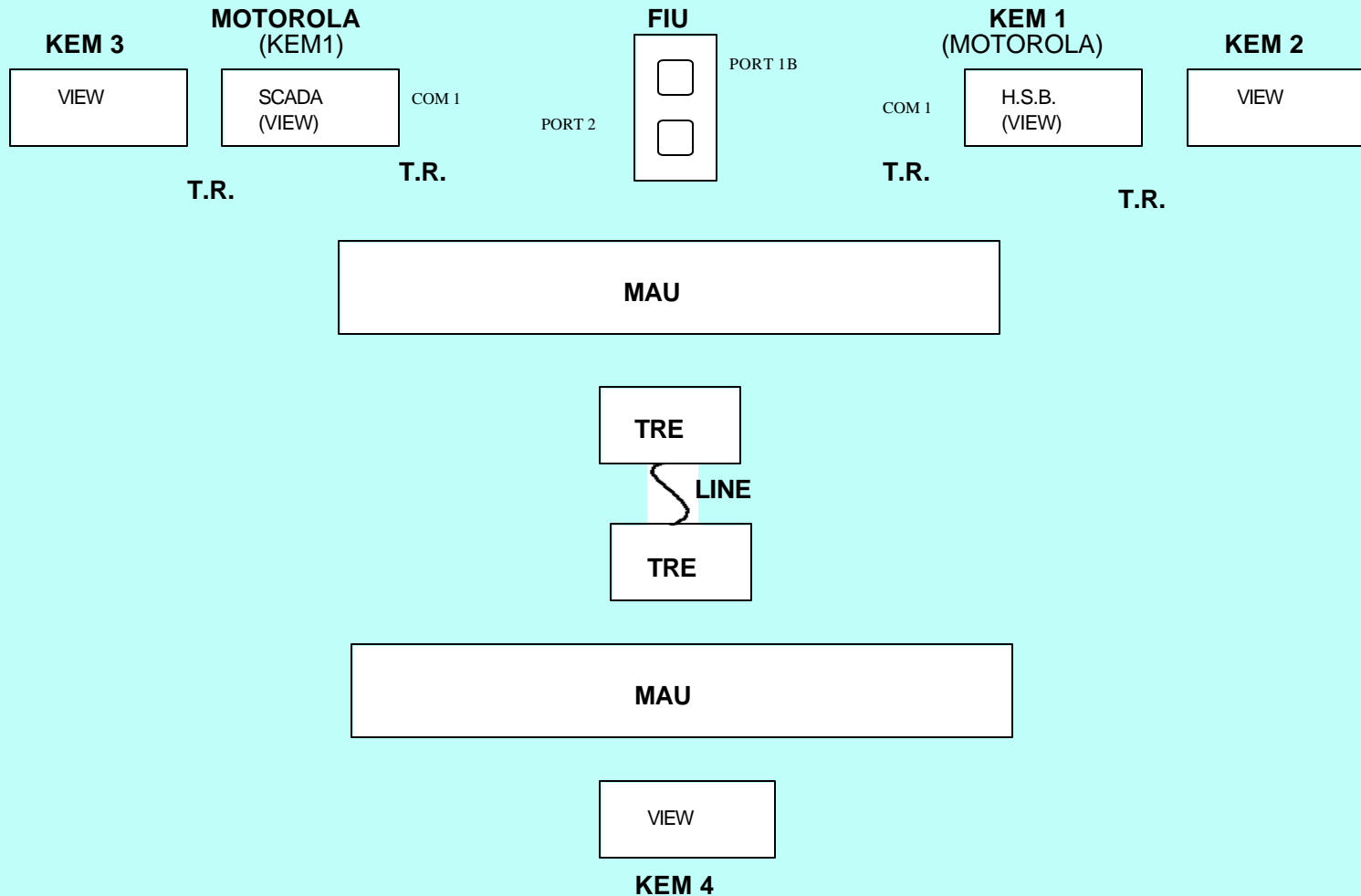
# KAMACOM

# Main Screen

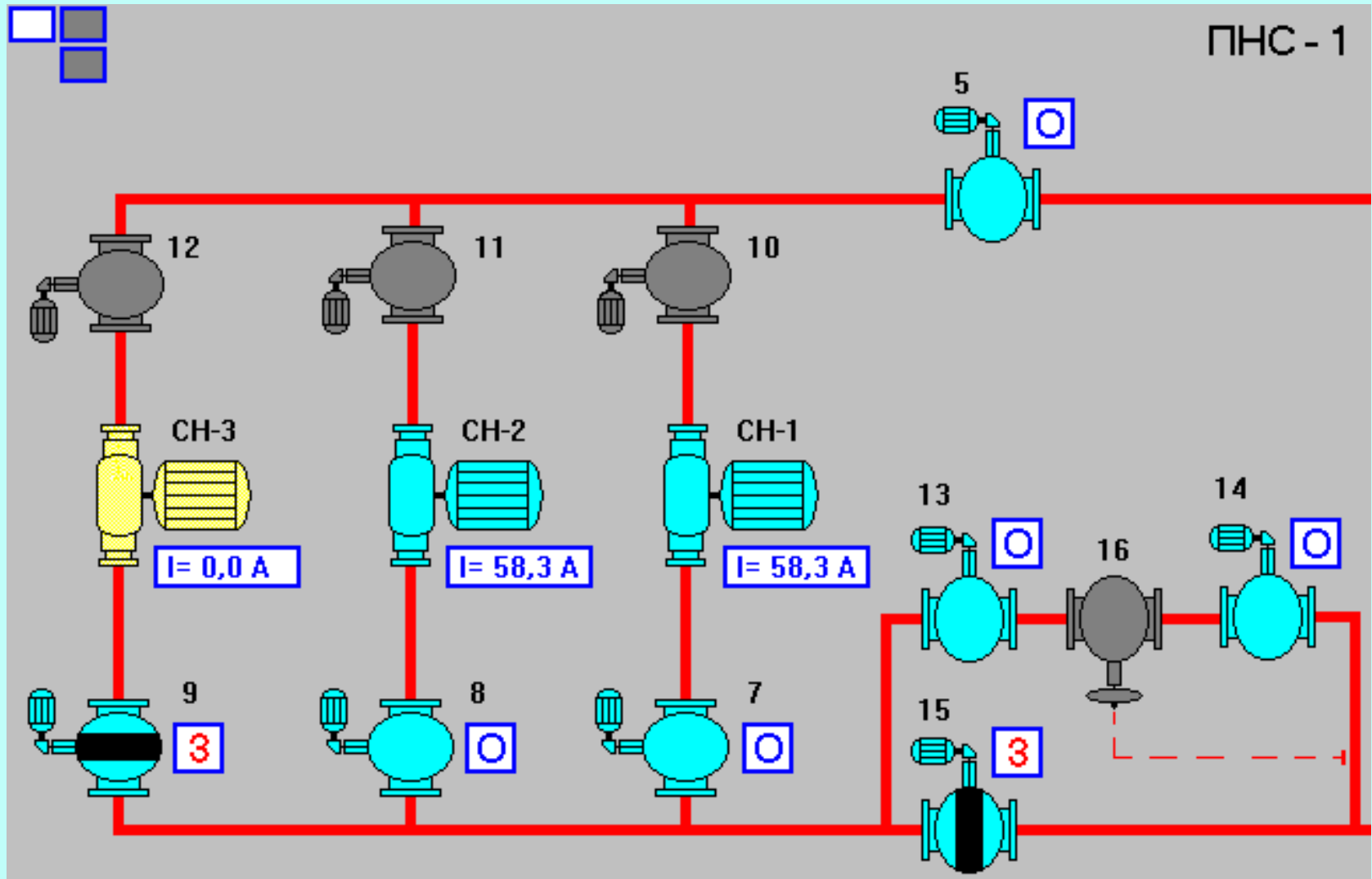


# KEMEROVO PROJECT

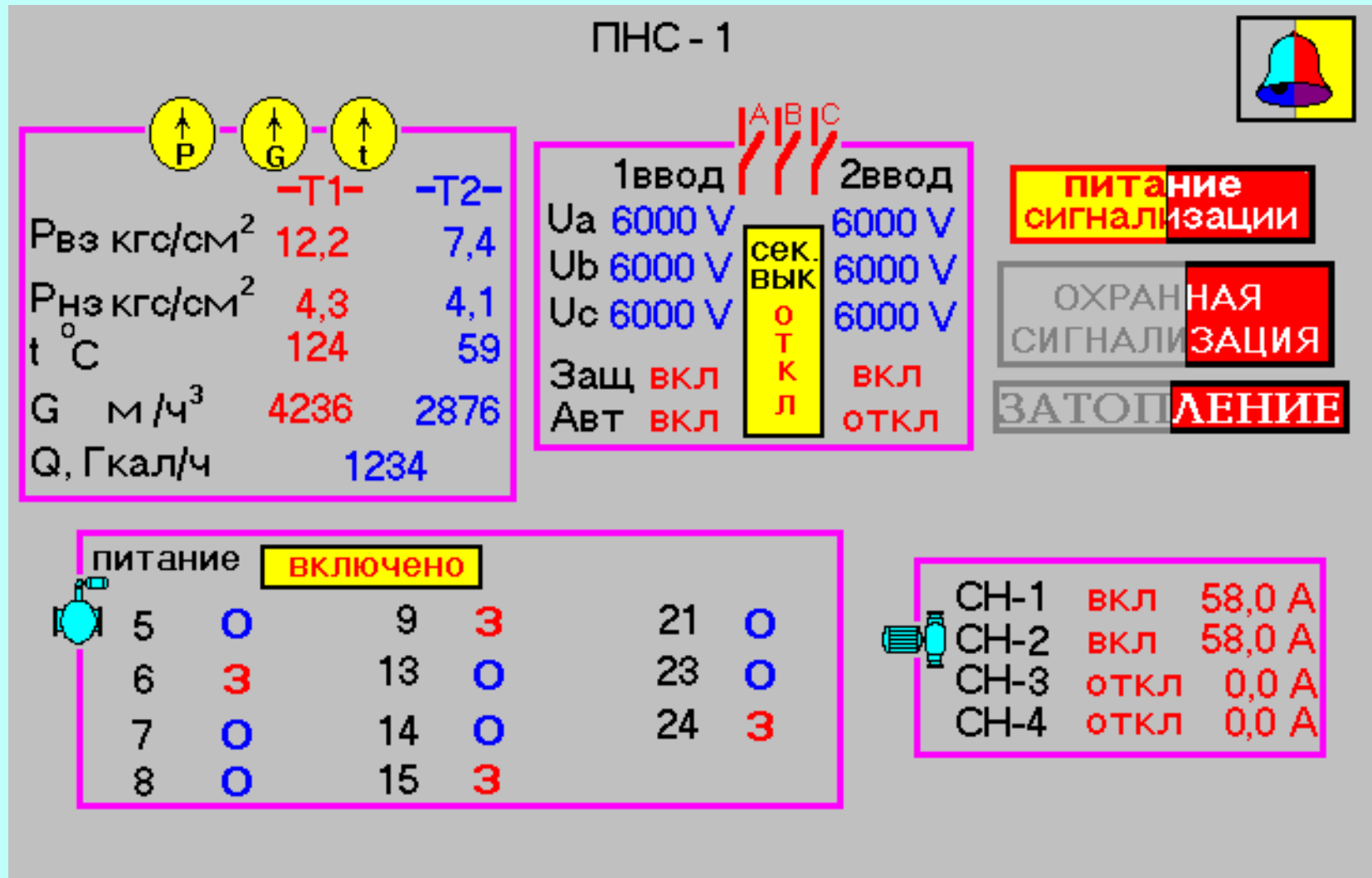
## COMPUTER CONNECTION DIAGRAM



# System's Segment screen example



# RTU screen example



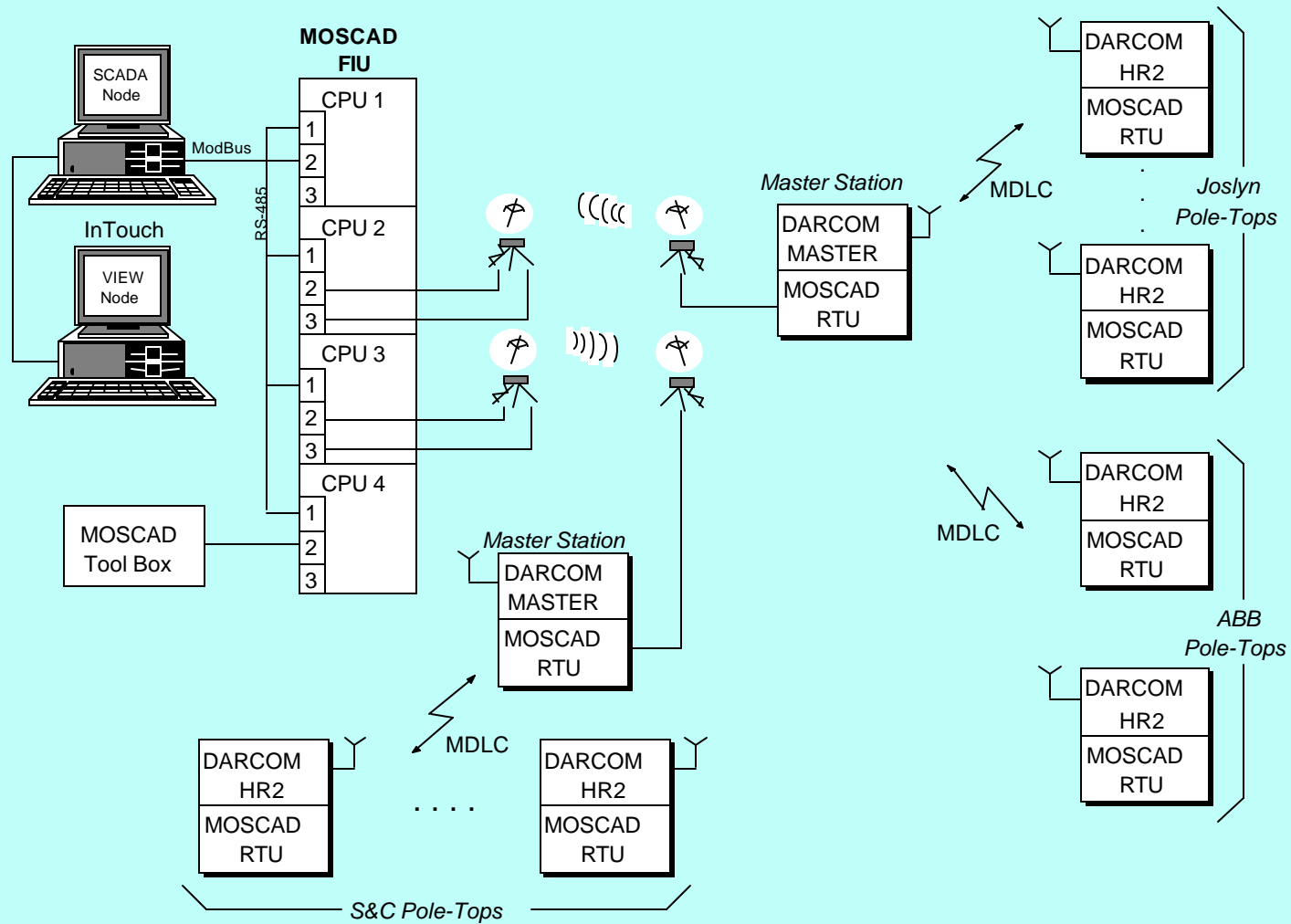
# Cincinnati Gas and Electric (CG&E)

## Distribution Automation (DA) System

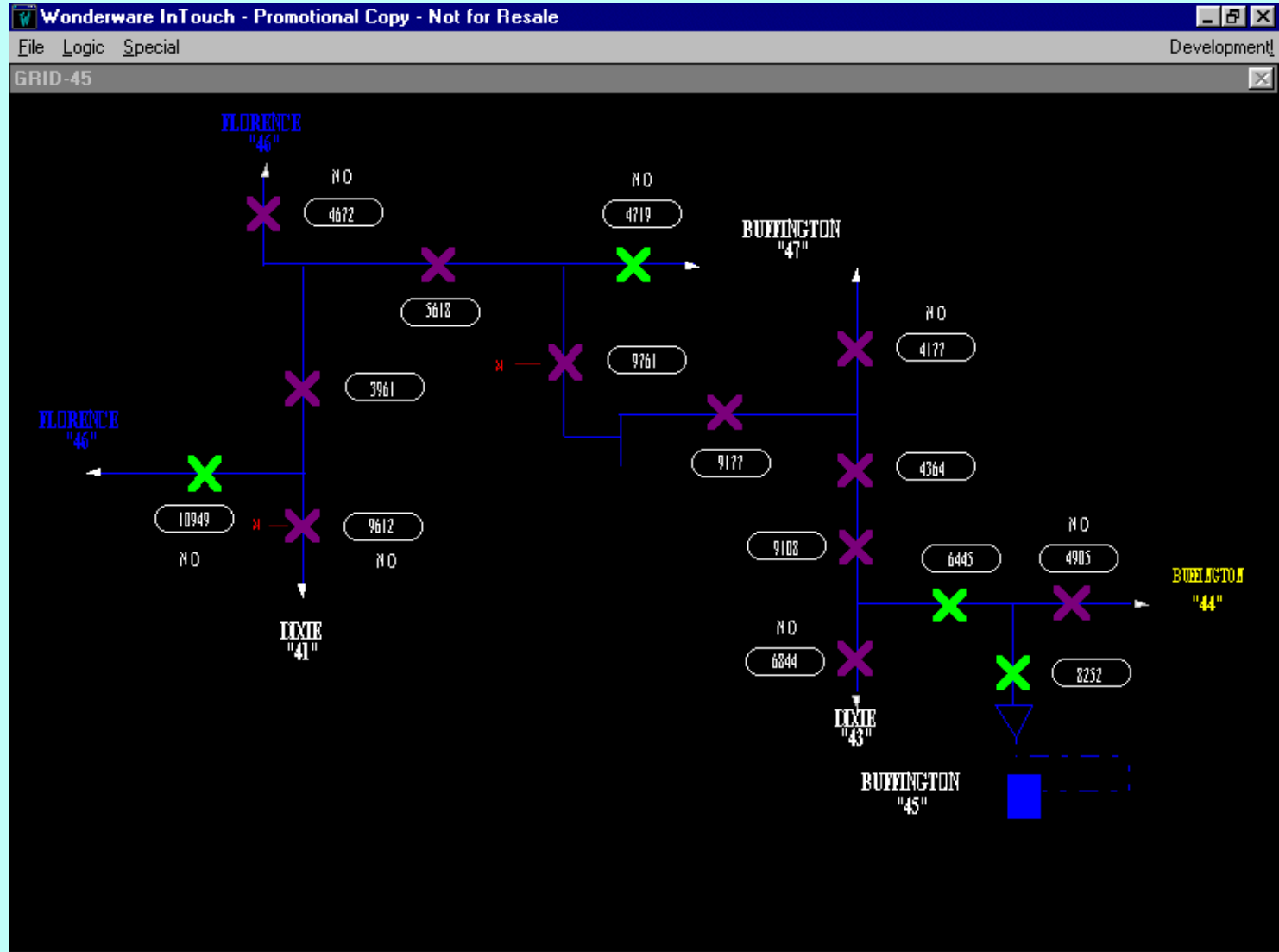
**USA**



# System's block diagram



# Grid's Segment screen example



# RTU screen example

**RTU status**

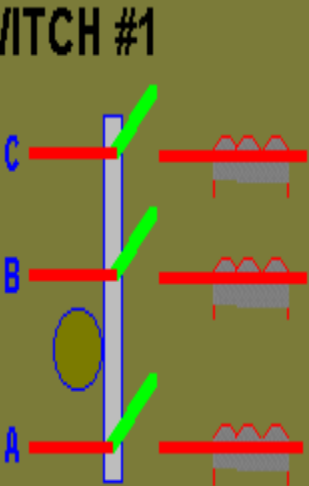
RTU-Communication	OK
AC-Power	OK
Modules	OK

---

**Switch Status**

Switch Position	OK
Remote	OFF
Limit SW Transition	OK
Low Pressure	NORMAL
Hand Crank Interlock	OUT
Motor Limit SW	CLOSED
Motor Breaker	ALARM
Tamper	ALARM
PS2 AC-Power	FAIL
Heater	

**SWITCH #1**



**AC-DISC**

