



Republic of Serbia  
Ministry of Finance  
Ministry of Mining and Energy



## **Procurement of Srbijagas Gas Management SCADA System**

**Ref. EuropeAid/135627/IH/SUP/RS**





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## AGENDA – Information Meeting and Site Visit

Date	Time	Activity
03-02-2017	10:00 – 10:15	Registration
	10:15 – 10:30	Welcome note, organizational issues, Agenda
	10:30 – 10:45	Presentation of Project, Stakeholders and Procedures
	10:45 – 11:45	Site visit – Dispatching Center Srbijagas 4 groups up to 12 people , 4 x 15 min = 60 min
	11:45 – 12:00	Closing remarks and End of the Information meeting/Site visit



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**The Project funded by the European Union**

**through**

**IPA 2013 National Programme**

**Co-financing by the Republic of Serbia**



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**The tender procedure:  
International open tender**

**Procurement rules:**

**PRAG – Practical Guide, dated 2016, published on 15<sup>th</sup> January 2016**



## Main Stakeholders



### **Contracting Authority:**

The Government of the Republic of Serbia,  
represented by the Ministry of Finance,  
Department for Contracting and Financing of EU Funded Programmes  
(**CFCU**)

### **Final Beneficiary:**

Ministry of Mining and Energy  
of the Republic of Serbia

### **End Recipient**

Public Enterprise “Srbijagas”

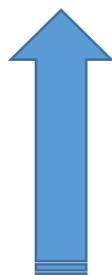
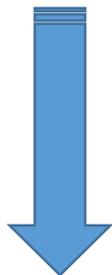


# Organization



## EU FUNDED PROJECT – PARTIES/IMPLEMENTATION

CFCU - Contracting Authority



CONTRACTOR

Ministry of Mining and Energy

IPA Unit



Public Enterprise "Srbijagas"





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## QUESTIONS & ANSWERS

**E-mail:** [cfcu.questions@mfin.gov.rs](mailto:cfcu.questions@mfin.gov.rs)

<http://www.cfcu.gov.rs>

<https://webgate.ec.europa.eu/europeaid/online-services/index.cfm?do=publi.welcome>



## Purpose



### Description of the contract

The subject of the Contract is the Gas Management SCADA system delivery, installation, testing, commissioning, training and maintenance for the Public Enterprise “Srbijagas”.

SCADA system shall manage gas transport network (Pressure over 16 bars) and 178 gas transport stations. Hardware, software and necessary equipment shall be installed at two Control centers, located in cities of Novi Sad and Belgrade.

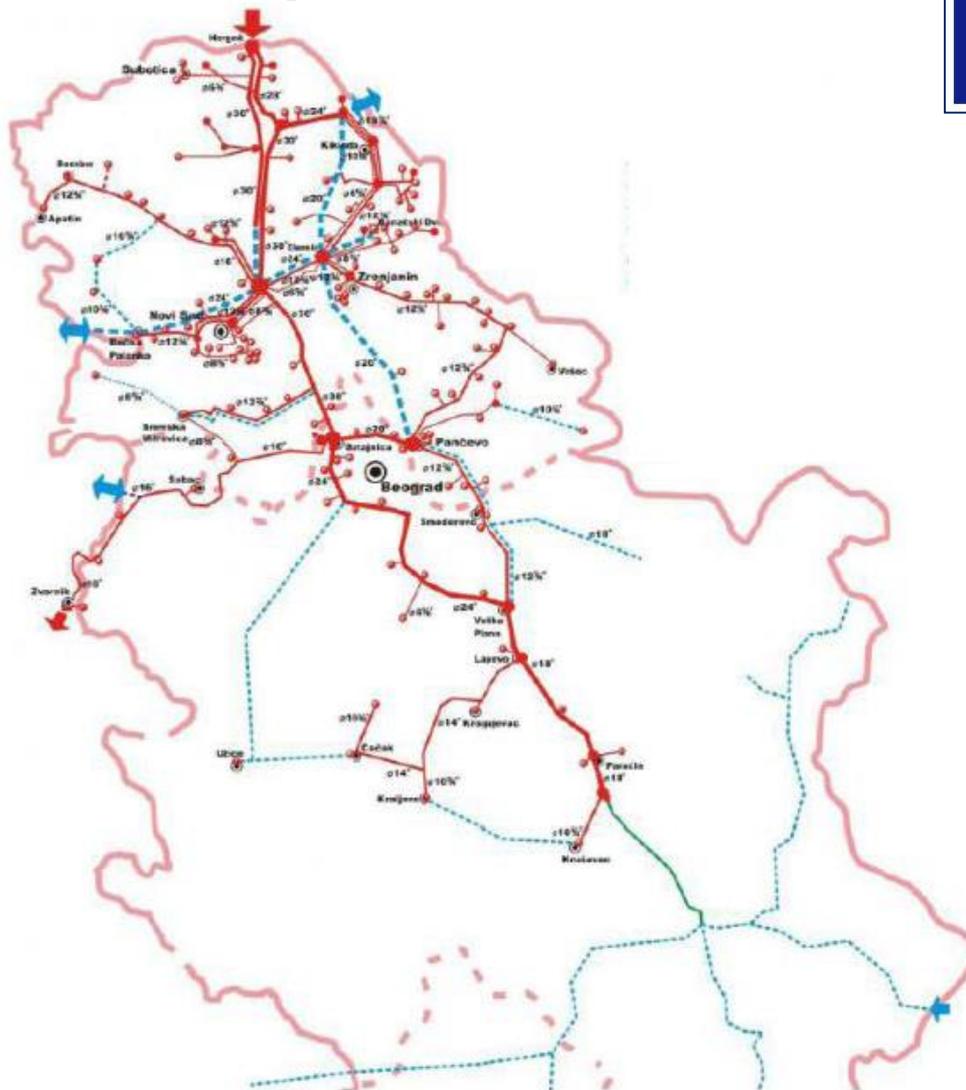


# Location of the Project





# PE SRBIJAGAS Pipeline Network



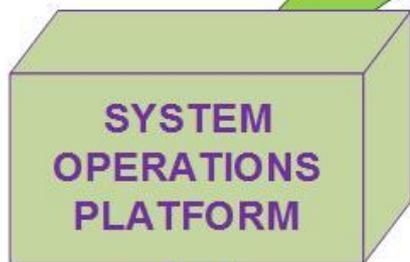




# TSO SRBIJAGAS Organization of Platforms



- Network Dispatch
- Monitoring
- Control



- Collection of Metering Data

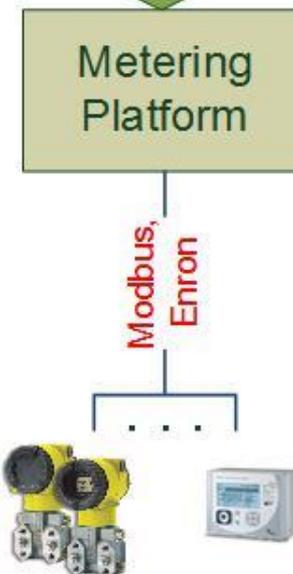
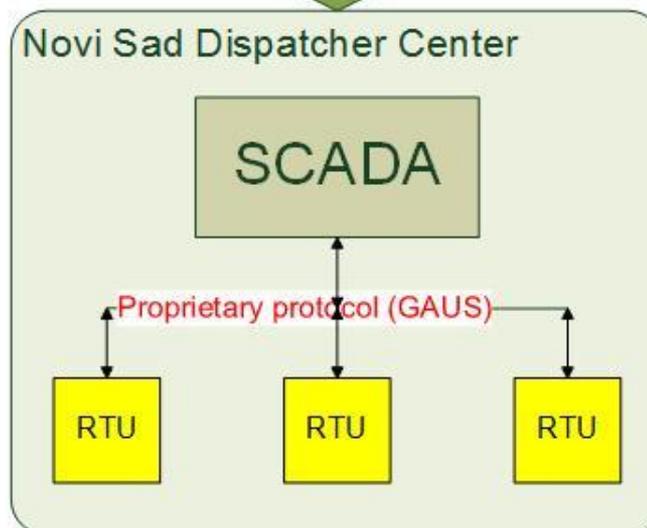
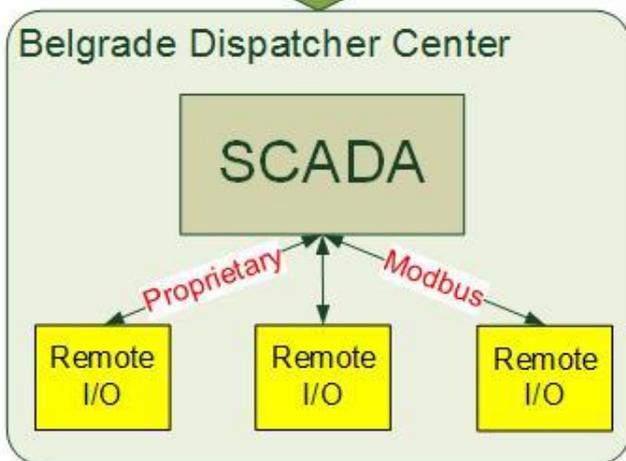


- Support for Code/  
Market  
Operations



# Current System State

Database Data Exchange



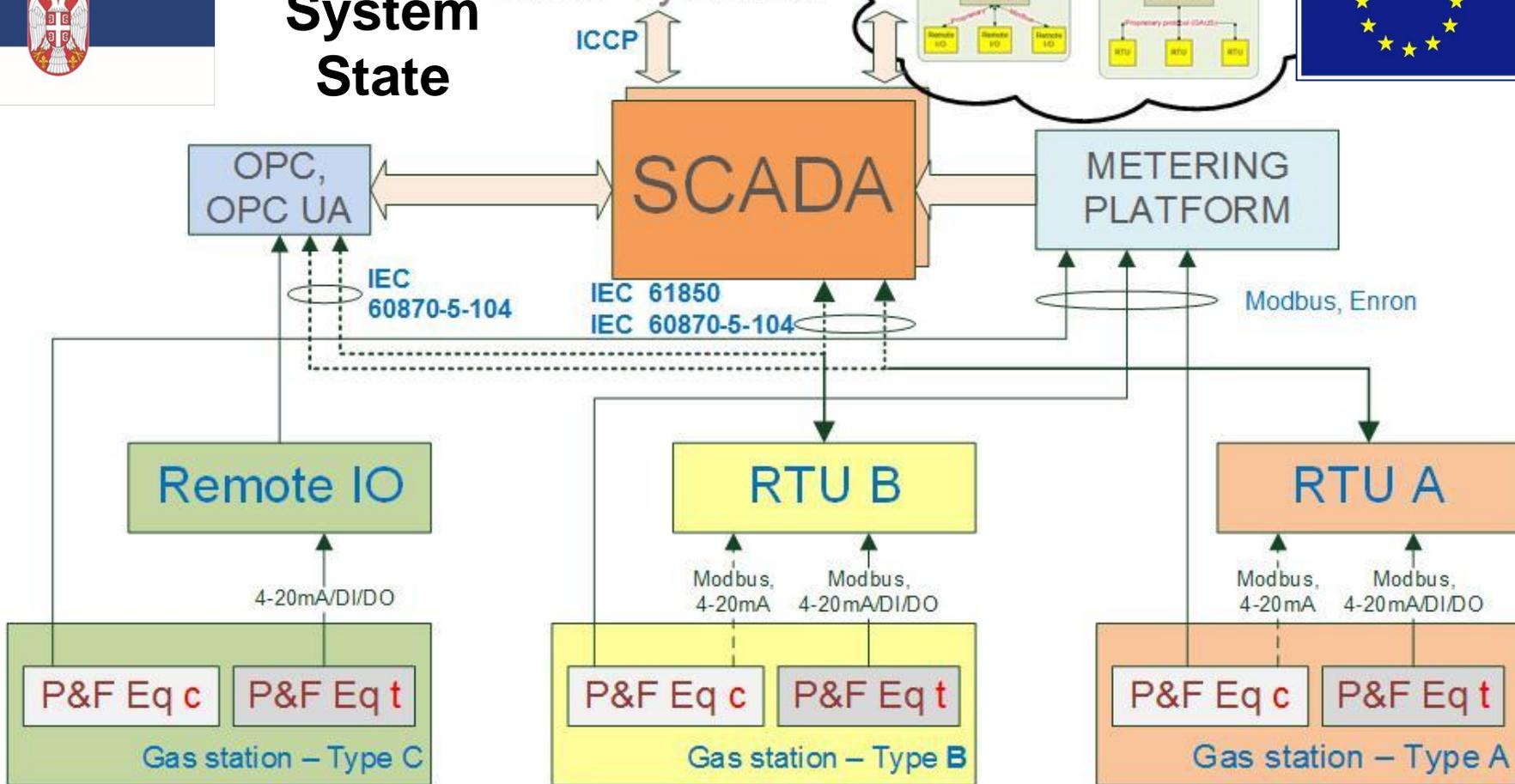
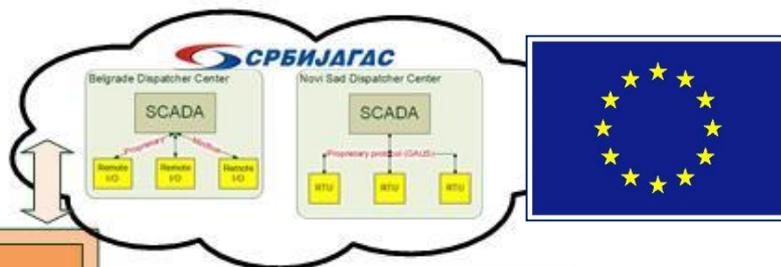
- Two independent SCADA systems

- Flow computers
- Volume Correctors
- Process Gas Chromatograph devices



# New System State

Interface to other systems



**P&F Eq** – Process & Filed Equipment  
**c** – custody purpose  
**t** – technological purpose

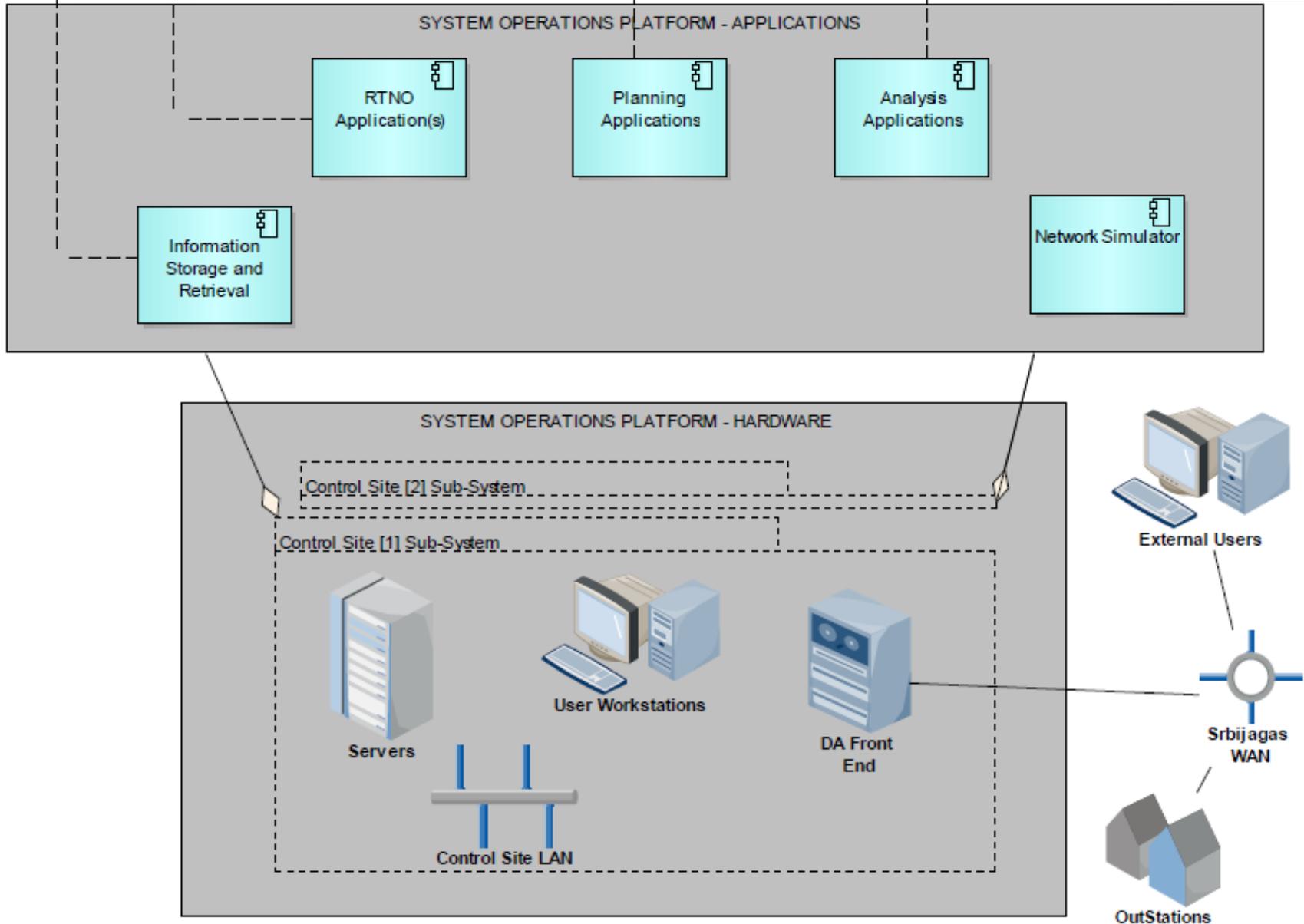
**Gas station**  
 Type A  
 Type B  
 Type C

**Data acquisition type**  
 RTU A  
 RTU B  
 Remote IO

**Tasks**  
 Acquisition & Control, PID Control, AGA calculations  
 Acquisition & Control  
 Acquisition



# HW & SW Architecture





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**Thank you for your attention**