ENSACO Solutions

Reference List

March 2021

Revisions:

Revision	Date	Description	Author
001	05/02/2020	Initial version of document	Vladan Cvejic
002	30/12/2020	End of year revision	Vladan Cvejic
003	05/03/2021	Q1 revision	Vladan Cvejic

Reference List

Company Name:	**NIS, Pančevo, Serbia**
Project Name:	Maintenance and extension of MES-PA in RNP
Number of Contract (Date):	1. PRE360000/UD-UA/01604 (02.02.2018.) 2. DWN113000/UD-UA/11801 (20.11.2019.)
Year(s):	1. 2018-2019-2020 2. 2020 - 2021
Contact Information:	Dušica Vučićević +381 64 8884075; Zoran Veselinovski +381 64 8884093

Description of work:
MES system extension and maintenance (24/7 service support)

- Business applications (SAP interface, LIMS interface, Commercial orders, Code books, Reports, generation of in/out documentation etc.):
    - Software updates related to State Law regulations
    - Software updates as per user requests (process optimization, new functionalities)

- Technology applications (execution of commercial orders through technological orders, Traffic, automatic scale, TIS interface, implementation of communication protocols in accordance with bay equipment (PLC/DCS/batcher), data processing for balancing, central and field MES-SCADA stations):
    - Software updates as per user requests (process optimization, new functionalities)
    - Software changes and new software module implementation initiated by refurbishment and/or changes in technological equipment on loading/unloading sites

Company Name:	**Makpetrol, North Macedonia**
Project Name:	Maintenance and refurbishment of Makpetrol Storage facilities
Number of Contract (Date):	416/18 (21.06.2018.)
Year(s):	2018. – today (unlimited)
Contact Information:	Sašo Boškovski Maintenance director, Makpetrol Skopje +389 72247172

Description of work:
Maintenance and refurbishment of Makpetrol Storage Facilities in North Macedonia which includes:
- PLC/SCADA systems and connection to the Makpetrol business application for:
    - Truck and Train Loading Terminals (Ilinden, N. Macedonia)
    - Bio diesel factory (Ilinden)
    - Truck Loading Terminal for TNG (Miladinovci, Gostivar, N. Macedonia)
    - TNG bottles Loading Facility (Miladinovci, N. Macedonia)

Company Name:	**METANOLSKO-SIRĆETNI KOMPLEKS a.d. Kikinda, Serbia**
Project Name:	SCADA and Web application Maintenance
Number of Contract (Date):	1. N° 4500009455 (28.05.2019.) 2. N° 4500009776 (23.08.2019.) 3. N° 4500009944 (17.10.2019.)
Year(s):	2019
Contact Information:	Saša Francuski +381 62 8005759

Description of work:
Maintenance of Industrial SCADA system and associated Web Applications in methanol and acetic acid production factory MSK which includes:
- OPC UA data connection with process stations to SIO Server.
- OPC UA data connection from radar system PC (ENRAF) to SIO Server.
- Integration, connecting and recording data transmission to SIO Server.

Company Name:	**SIEMENS a.d. Beograd, Serbia**
Project Name:	Refurbishment of Track Loading Bays in RNP (MES adaptation)
Number of Contract (Date):	N° 16957/19 (05.09.2019.)
Year(s):	2019-2020
Contact Information:	Marjan Dimitrijević +381 60 8170211

Description of work:
MES-PA system changes (technological part) due to refurbishment of 8 loading bays (communication and technological equipment changes) on the Truck Loading site for Oil and derivatives in RNP, Pancevo.

Company Name:	**OGRANAK YOKOGAWA EUROPE BRANCHES Belgrade, Serbia**
Project Name:	Integration of 4 new loading places on Rail into MES-PA (InfoMES) for data provision on MES-SOTEICA interface in RNP, Pancevo
Reference Number (Date):	200816 (08.2020.)
Year(s):	2020
Contact Information:	Vladimir Dangubić +381 62 266478

Description of work:
Integration of 4 new loading places on Rail branch B into system MES-PA (infoMES) for data provision on MES-SOTEICA interface (Balancing system):
- Batch DL8000 hardware network integration into existing MES-PAPIS/Rail server on Train terminal
- Update of MES-PA system (software and technical documentation)

Company Name:	**BOFFETTI SPA, Italy**
Project Name:	Integration of Coke Handling System Auto terminals in the MES system in RNP, Pancevo
Reference Number (Date):	20200127.1 (01.2020.)
Year(s):	2020
Contact Information:	Andrea Brambilla +39 348 7554782

Integration of the coke shipment auto terminal into the MES system at the Pancevo Oil Refinery for two loading points.
Integration consist of three parts:

- Software changes in the MES system
- Implementation of hardware network infrastructure to connect MES and the Coke Handling System
- Software integration of the MES and the Coke Handling System

Software changes in the MES system

- Below are listed required changes in the MES system:
- Configuration of the MES Central SCADA Server
- Extension of the MES Historian
- Extension of MES Monitoring Application
- Extension of MES system with two loading places
- Implementing algorithms that are specific to Coke loading orders
- Generation of Coke specific reports

Company Name:	**BALTICO d.o.o. Belgrade, Serbia**
Project Name:	Training course for OMICRON IEDScout and StationScout
Reference Numbers (Date):	PK-20-3017-0021, PK-20-3017-0023 (11.2020.)
Year(s):	2020
Contact Information:	Aleksandar Jovičić +381 65 3446289

Description of work:
Training course for OMICRON IEDScout and StationScout with basic training for IEC 61850 standard for Serbian Power Distribution Company and TSO "Elektromreza Srbije".

Company Name:	**OGRANAK YOKOGAWA EUROPE BRANCHES Belgrade, Serbia**
Project Name:	Integration of goods quality data into MES-PA in RNP, Pancevo
Reference Number (Date):	PK-20-3015-0018 (08.2020.)
Year(s):	2020
Contact Information:	Vladimir Dangubić +381 62 266478

Description of work:
MES-PA system update according to requirement to integrate quality data related to water percentage in Oil coke:
- Development of new interface Laboratory Informational system <> MES-PA
- Data integration: new conversion algorithms, data rerouting to SAP interface, SOTEICA interface update, Reports and Load Order documents generator update

Company Name:	**BALTICO d.o.o. Belgrade, Serbia**
Project Name:	Training course for OMICRON IEDScout and StationScout
Reference Numbers (Date):	PK-21-3017-0001 (01.2021.)
Year(s):	2021
Contact Information:	Aleksandar Jovičić +381 65 3446289

Description of work:
Two days training course for OMICRON IEDScout and StationScout with basic training for IEC 61850 standard for Serbian Power Distribution Company.

Company Name:	**SIEMENS d.o.o. Belgrade, Serbia**
Project Name:	Expert training course for application aspects of IEC 61850 and Principles and settings of relay protection devices
Reference Numbers (Date):	PK-21-3020-0004, PK-21-3020-0005 (02.2021.)
Year(s):	2021
Contact Information:	Milorad Jovičić +381 60 8170 237

Description of work:
Four days expert training course for application aspect of IEC 61850 with focus on SIEMENS portfolio and Principles and settings of relay protection devices for Montenegro Power Transmission company "CGES" and Serbian Power Transmission Company "Elektromreza Srbije".