

List of references for
**SIL simulation-training system for thermal power plant ARS AMEG 30 and
HIL simulation-training system ARS TSSim-Atlas**
produced by IMP-Automation & Control Ltd., Belgrade, Serbia

| Year completed | Plant short description and DCS | Object | Investor | Remarks | Date contract sign - Date completed - IMP contract no. |
|----------------|---|--|---|---|--|
| 2021 | <p><i>Plant description:</i></p> <ul style="list-style-type: none"> once-through pulverized coal boiler with forced circulation (steam flow 300 kg/s, pressure 179 bar and temperature 537°C) condensate steam turbine with one HP, one LP and two LP chamber, nominal power 348,5 MW <p><i>Main DCS:</i> View T-Power, producer IMP Belgrade, Serbia</p> | TPP Kostolac B, Kostolac, Serbia | PE EPS, Branch Kostolav TPPs, Kostolac, Serbia | type: SIL simulator ARS AMEG 3120 | 15/07/2019 - 14/01/2021 - 1161/2-19 |
| 2020 | <p><i>Plant description:</i></p> <ul style="list-style-type: none"> once-through pulverized coal Benson boiler with forced circulation (steam flow 2000t/h, pressure 186 bar and temperature 543°C) condensate steam turbine with one HP, one LP and two LP chamber, nominal power 650MW <p><i>Main DCS:</i> SPPA T-3000, producer Siemens GmbH, Germany</p> | TPP Nikola Tesla B, Obrenovac, Serbia | Siemens Ltd. Belgrade, Serbia | type: SIL simulation ARS AMEG 3030 | 27/2/2019 - 30/9/2020 - 2348/3-18 |
| 2016 | <p><i>Plant description:</i></p> <ul style="list-style-type: none"> once-through pulverized coal Benson boiler with forced circulation (steam flow 920t/h, pressure 172 bar and temperature 543°C) condensate steam turbine with one HP, one LP and one LP chamber, nominal power 308,5MW <p><i>Main DCS:</i> SPPA T-3000, producer Siemens GmbH, Germany</p> | TPP Nikola Tesla A3, Obrenovac, Serbia | PE EPS, Branch Nikola Tesla TPPs, Obrenovac, Serbia | type: SIL simulation ARS AMEG 3030 consortium with Siemens Ltd. Belgrade, Serbia | 5/6/2015 - 10/6/2016 - 1436/1-15 |
| 2016 | <p><i>Plant description:</i></p> <ul style="list-style-type: none"> condensate-heating turbine T- 110/120-130-4, nom. el. power 110 MW, nom. heating power 203 MW, producer „UTZ“ Ekaterinburg, Russia (ex. SSSR) <p><i>Main DCS:</i> VIEW T-POWER, ARS TSControl-Atlas, producer IMP-Automation & Control Ltd., Belgrade, Serbia</p> | TPP-HP Novi Sad TA2, Novi Sad, Serbia | “Panonske termoelektrane-toplane” Ltd, Novi Sad, Serbia | type: HIL simulation ARS TSSim-Atlas simulation for turbine with one heating extraction and simulation of district heating system in TPP | 28/12/2012 - 11/07/2016 - 2329/2-12 |

| | | | | | |
|------|--|--|---|---------------------------------------|--|
| 2013 | <p><i>Plant description:</i></p> <ul style="list-style-type: none"> once-through pulverized coal Benson boiler with forced circulation (steam flow 920t/h, pressure 172 bar and temperature 543°C) condensate steam turbine with one HP, one LP and one LP chamber, nominal power 308,5MW <p><i>Main DCS:</i> VIEW T-POWER, producer IMP-Automation & Control Ltd., Belgrade, Serbia</p> | TPP Nikola Tesla A4, Obrenovac, Serbia | PE "Termoelektrane Nikola Tesla" Ltd, Obrenovac, Serbia | type: SIL simulation ARS AMEG 3020 | 8/5/2012 - 17/11/2013 - 803/3-12 |
|------|--|--|---|---------------------------------------|--|