**EMV –ENERGO projects in the field of turbine digital electro-hydraulic (DEH) systems**

| **Country** | **Object** |  **Platform** | **Work scope** |
| --- | --- | --- | --- |
| Ukraine | “Zaporizhzhya” NPP, units №1-6, turbine К-1000-60/1500-2 | Based on the controllers, ASUT-1000M platform, “Monolith” company, Kharkiv, Ukraine | Commissioning and testing of turbine DEH system |
| Ukraine | “South-Ukrainian” NPP, units №1,2, turbine К-1000-60/1500 | Based on the controllers, ASUT-1000M platform “Monolith” company, Kharkiv, Ukraine | Commissioning and testing of turbine DEH system |
| Bulgaria | NPP “Kozloduy”, units №5,6, turbine К-1000-60/1500-2 | Based on the controllers, “OVATION” platform, “WESTINGHOUSE” company, USA | Software development, commissioning and testing of turbine DEH system |
| Ukraine |  “Burshtyn” TPP, unit №9, turbine К-210-130 | Based on the controllers, TREI -5В-02 platform, “TREI” GmbH company, Germany | Design, software development, assembling, delivery, commissioning, and testing of turbine DEH system |
| Iraq |  “South Baghdad” TPP, units №3,4, turbine К-55-60 | Based on the controllers, “Vulkan M” platform, “Westron” company, Kharkiv, Ukraine | Design, software development, commissioning and testing of turbine DEH system |
| Ukraine |  “Zaporizhzhya” TPP, unit №3, turbine К-300-240 | Based on the controllers, TREI -5В-02 platform, “TREI” GmbH company, Germany | Design, software development |
| Ukraine |  “Ladyzhyn” TPP, unit №1, turbine К-300-240 | Based on a controllers, TREI -5В-02 platform, “TREI” GmbH company, Germany | Design, software development |
| Ukraine |  “Kryvorozhzhya” TPP, unit №3, turbine К-300-240 | Based on the controllers, TREI -5В-04 platform, “TREI” GmbH company, Germany | Design, software development, assembling, delivery, commissioning, and testing of turbine DEH system |
| Ukraine |  “Pridnieprovsk” TPP, unit №9, turbine К-100-130 | Based on the controllers, TREI -5В-04 platform, “TREI” GmbH company, Germany | Design, software development, assembling, delivery of turbine DEH system |
| Ukraine |  “Zaporizhzhya” TPP, unit №1, turbine К-300-240 | Based on “Monolith-Energo” company controllers, Kharkiv, Ukraine | Field design |
| Ukraine | “Ugliegorsk” TPP, units №1-4, turbines К-300-240 | Based on “Monolith-Energo” company controllers, Kharkiv, Ukraine | Field design |
| Ukraine | “Zaporozhzhya” TPP, unit №1; “Kryvorozhzhya” TPP, unit №3;”Ugliegorsk” TPP, units №1-4; “Kharkiv” TPP-5, units №1,3 | Based on the controllers, TREI -5В-04/05 platform, “TREI” GmbH company, Germany | Development, design, delivery, commissioning, and testing of the boiler controllers that interface with DEH systems  |
| Ukraine | “Zaporozhzhya” TPP, units №1,3; ”Ugliegorsk” TPP, units №1,3,4; “Kharkiv” TPP-5, units №1,3, “Trypillya” TPP, unit №2 | Based on “TREI” GmbH, “Monolith-Energo”, “CCC”, “Radiy” company’s controllers  | Testing of power units to verify their primary and secondary regulation in accordance with ENTSO-E standards |