

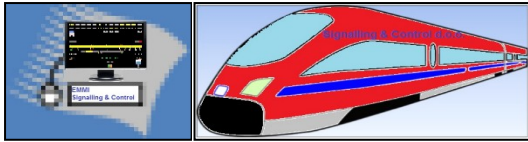
REFERENCE LIST

LEVEL CROSSINGS

ELC - ELECTRONIC LEVEL CROSSING (Signalling & Control Ltd.)

Production, delivery, installation, testing, examination and put-in operation, ELC - Electronic level crossing system, of the own production, turn-key projects on the following locations:

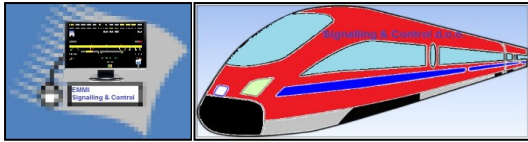
1. ELC - Electronic level crossing system for the level crossing at "Kozaračka" street, Pančevo, at km. 1+601, of the Industrial Railway line of Refinery "Pančevo", "Gasprom Njeft" - NIS Serbia. Level crossing system in dependencies with the level crossing system at km. 1+270 ("Vojvođanska" street). Delivery and FAT completed on 30th of October 2021. SAT completed on 27th of January 2022. Put in operation expected.
2. ELC - Electronic level crossing system for the level crossing at "Vojvođanska" street, Pančevo, at km. 1+270, of the Industrial Railway line of Refinery "Pančevo", "Gasprom Njeft" - NIS Serbia. Level crossing system in dependencies with the level crossing system at km. 1+601 ("Kozaračka" street). Delivery and FAT completed on 30th of October 2021. SAT completed on 27th of January 2022. Put in operation expected.
3. ELC - Electronic level crossing system for the level crossing "Batajnica", at km. 23+227 of the main railway line "Beograd ranžirna A - Ostružnica - Batajnica". User: Infrastructure of Serbian Railways, Serbia. Investor: Company Serbia Road, Belgrade, Serbia. Work completed at November 2021. In operation from 3rd of December 2022.y.
4. ELC - Electronic level crossing system for the level crossing "Banja Koviljača", at km. 56+521 of main railway line "Ruma - Šabac - Raspiunica Donja Borina" - state border - (Zvornik Novi), User: Infrastructure Serbian Railways, Serbia. Investor: Company for the roads Serbia, Serbia. Work completed at July of year 2020. In operation at 8th of April 2021.y.
5. ELC - Electronic level crossing system for the level crossing "Stražara 104-2" in Subotica, at km 127+238 of the main railway line "Subotica - Bogojevo" - state border (Erdut), Serbia. User: Infrastructure Serbian Railways, Serbia. Level crossing system in dependencies with the level crossing system at 126+741. Work completed at September 2020.y. In operation from the 22nd of January 2021.



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6. ELC - Electronic level crossing system for the level crossing "Stražara 104" in Subotica, at km 126+741 of the main railway line "Subotica - Bogojevo" - state border (Erdut), Serbia. User: Infrastructure Serbian Railways, Serbia. Level crossing system in dependencies with the level crossing system at 127+238. Work completed at April 2019.y. In operation from the 22nd of January 2021.
7. ELC - Electronic level crossing system for the level crossing "Međurovo" at km. 250+066, of the main railway line Belgrade - "Mladenovac - Lapovo - Niš - Preševo" - state border, on Corridor X, User: Infrastructure Serbian Railways, Serbia. Level crossing system is completely relocated from the level crossing "Alibunar" after the completion of the work on the construction of the wind park (ELICIO, Belgium). Relocation work, examination and put-in operation completed by Infrastructure of Serbian Railways. In operation from the beginning of January 2019.
8. ELC - Electronic level crossing system for the level crossing "Brasina" at km. 66+207, of the main railway line "Ruma - Šabac - Raspiunica Donja Borina " - state border- ("Zvornik Novi"), User: Infrastructure Serbian Railways, Serbia. Work completed at December 2018.y. In operation from 15th of January 2019.y.
9. ELC - Electronic level crossing system for the level crossing "Belgrade on the water" at km 0+411 of the main railway line Belgrade - Belgrade Down City - Belgrade Danube Station, inside the project Belgrade Water Front, BW – Belgrade on the water Ltd. Serbia. SAT completed at June 2017. In operation from the 13th of April 2018.
10. ELC - Electronic level crossing system for the level crossing "Kovinski" at km. 2+231 of the Industrial Railway line of Refinery "Pančevo", "Gasprom Njeft" - NIS Serbia. FAT completed at the end of 2015. SAT completed at 29th of January 2017. In operation from 5th of March 2018.
11. ELC - Electronic level crossing system for the level crossing "Alibunar" at km. 48+705 of the main railway line "Pančevo - Vršac". Investor: ELICIO Belgium with the local company Electrawinds-S Ltd. Serbia. First level crossing system in Serbia with the autonomous power supply realized using solar collectors. User: Infrastructure Serbian Railways, Serbia. In operation from the 29th of September 2017.y. until December 2018.y. (Completely relocated to the level crossing "Međurovo", "Niš").
12. ELC - Electronic level crossing system for the level crossing "Vreoci - Veliki Crljeni" at km 26+700 of the Double track railway line of the Industrial Railways of "TE Obrenovac - Vreoci (EPS)" Serbia. In operation from the 15th of August 2016.
13. ELC - Electronic level crossing system for the level crossing Boulevard of "Boris Trajkovski" at km. 0+536 of the Industrial Railway line of Concrete factory "USJE" Skopje, Skopje, Former Yugoslavian Republic of Macedonia. In operation from the 16th of September 2014.



14. ELC - Electronic level crossing system for the level crossing "Stražara 1 Subotica" at km 129+545 of the main railway line "Vinkovci - Bogojevo - Sombor - Subotica", Serbia. In the probation work for the purpose of obtaining the user permit certificate from 2013. User: Infrastructure Serbian Railways, Serbia. Renewed by commercial contract during the 2017.y. In operation from the 30th of August 2017.

Elektro-machanical level crossing (Institute "Kirilo Savić" Belgrade)

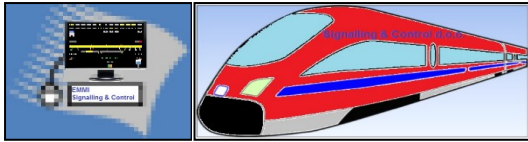
14. Reconstruction of the electro-mechanical level crossing system "Naftagas" in "Novi Sad", on the Industrial track of the "Gasprom Njeft" - NIS, Serbia. 5th October 2017. y.

Automatic level crossing system - LCLC-DL2000 (Siemens AG / Siemens Ltd. Belgrade)

15. Level Crossing: km. 4+038 "Majur-Sabac", JSC Serbian Railways. Alteration of the LCLC-DL2000 for "Knic" for the application at "Majur". Design of the alteration, testing, installation on sight and commissioning, 21st of February 2016.

Based on Contract of business and technical cooperation and Contract of cooperation for production of LCLC between Signalling & Control Ltd. and Siemens Ltd. Belgrade, company has taken part in production, delivery, FAT, installation, SAT, putting into the operation with government authorized commission and maintenance of LCLC-DL2000 for following level crossing projects:

16. Level Crossing: km. 1+357 "Kosjerić centar", TITAN "Cementare Kosjeric", Industrial line, Jun 2011.
17. Level Crossing: km. 53+735 "Kovačica", JSC Serbian Railways, December 2010.
18. Level Crossing: km. 59+641 "Tomaševac", JSC Serbian Railways, December 2010.
19. Level Crossing: km. 10+261 "Matejevac", JSC Serbian Railways, October 2010.
20. Level Crossing: km. 269+576 "Magistralni prelaz", "Mokra Gora", JSC Serbian Railways, 2010.
21. Level Crossing: km. 26+905 "Klenje", JSC Serbian Railways, produced, FAT tested and prepared for the installation on sight, Decembar 2009.
22. Level Crossing: km. 48+142 "Knic", JSC Serbian Railways, produced, FAT tested and prepared for the installation on sight, 2008.
23. Level Crossing: km. 268+844 "9-ti kilometar", "Mokra Gora", JSC Serbian Railways, 2008.



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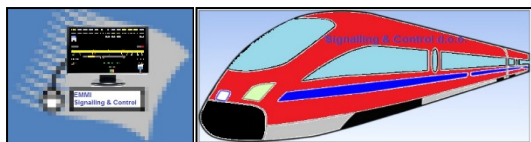
24. Level Crossing: km. 51+815 "Petar Drapšin", "Mladenovac", JSC Serbian Railways, 2008.
25. Level Crossing: km. 62+909 "Rabrovac", JSC Serbian Railways, 2008.
26. Level Crossing: km. 86+576 "Vuk Karadžić", "Kraljevo", JSC Serbian Railways, 2007.
27. Level Crossing: km. 94+593 "Mataruška Banja", "Kraljevo", JSC Serbian Railways, 2007.
28. Level Crossing: km. 62+413 "Vrba", "Kraljevo", JSC Serbian Railways, 2006.

REFERENCE LIST

TRAIN DETECTION EQUIPMENT

ERC – ELECTRONIC RAIL CONTACTS (Signalling & Control Ltd.)

- **100 double ERC** completes, in safety configuration 2 out of 2, for switch-on and switch-off elements for relay level crossings of FÜ60 type (Siemens AG), JSC Serbian Railways, 27.09.2012. year.
- **16 double ERC** completes, in safety configuration 2 out of 2, for switch-on and switch-off elements for relay level crossings of FÜ60 type (Siemens AG), JSC Serbian Railways, 16.04.2015. year.
- **8 single ERC**, in function of 80m contacts - announcing elements and release elements for relay MUMZ (Mobile equipment for inter-dependencies between the entrance signals) for station "Krnjaca", project Belgrade - Pancevo, JSC Serbian Railways, 10.11.2014. year.
- **10 single ERC**, in function of 80m contacts announcing elements and release elements for relay MUMZ (Mobile equipment for dependencies between the entrance signals) for station "Pancevcki Most", project Belgrade - Pancevo, JSC Serbian Railways, 24.03.2015. year.
- **8 single ERC**, in function of 80m contacts announcing elements and release elements for MUMZ (Mobile equipment for dependencies between the entrance signals) for station "Ovca", project Belgrade - Pancevo, JSC Serbian Railways, 08.05.2015. year.
- **2 double ERC** completes – two switch-on and two switch-off elements, both in safety configuration 2 out of two, for relay level crossing of FÜ60 type (Siemens AG) at "Surčin" (railway network of JSC Serbian Railways), test application in probation work for purpose of exploitation examination and gain the approval for use certificate, 2010. year.

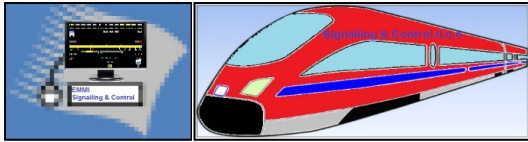


- **multiple ERC** units as switch-on and switch-off elements of Electronic Level Crossing - ELC (Signalling & Control Ltd.) for the railway network of JSC Serbian Railways, 2013 - 2017. year.

Short Frequency-operated Track Circuit - SFTC-DL2000 (Siemens AG / Siemens Ltd. Belgrade)

Based on Contract of business and technical cooperation and Contract of cooperation for production of FTCs between Signalling & Control Ltd. and Siemens Ltd. Belgrade, company has taken part in production, delivery, FAT, installation, SAT, putting into the operation with government authorised commission and maintenance of SFTC-DL2000 equipment for following level crossing projects:

3 x SFTC-DL2000 (10kHz) 1 x SFTC-DL2000 (14.5kHz)	Two switch-on and two switch-off elements for level crossing: km. 1+357, "Kosjerić centar", "TITAN Cemantara Kosjerić", Kosjerić, 2011.
3 x SFTC-DL2000 (10kHz) 1 x SFTC-DL2000 (14.5kHz)	Two switch-on and two switch-off elements for level crossing: km. 53+735, "Kovačica", JSC Serbian Railways, 2010.
3 x SFTC-DL2000 (10kHz) 1 x SFTC-DL2000 (14.5kHz)	Two switch-on and two switch-off elements for level crossing: km. 59+641, "Tomaševac", JSC Serbian Railways, 2010.
3 x SFTC-DL2000 (10kHz) 1 x SFTC-DL2000 (14.5kHz)	Two switch-on and two switch-off elements for level crossing: km. 10+261, "Matejevac", JSC Serbian Railways, 2010.
2 x SFTC-DL2000 (10kHz) 1 x SFTC-DL2000 (14.5kHz)	One switch-on and two switch-off elements for level crossing: km. 269+576 "Magistralni prelaz", "Mokra Gora", JSC Serbian Railways, 2010.
4 x SFTC-DL2000 (10kHz) 1 x SFTC-DL2000 (14.5kHz)	Two switch-on (double, 2 out of 2) and two switch-off elements for level crossing: km.26+905 - "Klenje", JSC Serbian Railways, produced and FAT tested, December 2009.
1 x SFTC-DL2000 (10kHz) 1 x SFTC-DL2000 (14.5kHz)	Two switch-off elements for level crossing: km. 48+142 - "Knić" JSC Serbian Railways, produced and FAT tested, 2008.
41 x SFTC-DL2000 (10kHz) 4 x SFTC-DL2000 (14.5kHz)	18 switch-on elements (double, 2 out of 2), 4 switch-off elements (double, 2 out of 2) and 10 devices for 80m contacts for relay level crossings and relay interlockings of Siemens SpDrS64/JŽ, EIB2-T5-Lot 4 – Reconstruction of the railway line "Batajnica - Golubinci", JSC Serbian Railways, 2009.



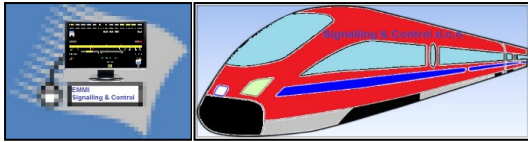
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2 x SFTC-DL2000 (10kHz) 2 x SFTC-DL2000 (14.5kHz)	Two switch-on and two switch-off elements for level crossing: km. 268+844, "9-ti kilometar", "Mokra Gora", JSC Serbian Railways, 2008.
4 x SFTC-DL2000 (10kHz) 1 x SFTC-DL2000 (14.5kHz)	Two switch-on (double, 2 out of 2) and two switch-off elements for level crossing: km. 51+815, "Petar Drapšin", "Mladenovac", JSC Serbian Railways, 2008.
5 x SFTC-DL2000 (10kHz) 1 x SFTC-DL2000 (14.5kHz)	Two switch-on (double, 2 out of 2), two switch-off elements and one single element for detection on stopping track for level crossing: km. 62+909, "Rabrovac", JSC Serbian Railways, 2008.
100 x SFTC-DL2000 (10kHz) 25 x SFTC-DL2000 (14.5kHz)	50 switch-on elements (double, 2 out of 2) and 25 switch-off elements (double, 2 out of 2) for relay level crossings of Siemens Fü60 under relay interlocking system of Siemens SpDrS64/JŽ, JSC Serbian Railways, 2007.
3 x SFTC-DL2000 (10kHz) 2 x SFTC-DL2000 (14.5kHz)	Thry switch-on elements and two switch-off elements for level crossing: km. 86+576, "Vuk Karadžić", "Kraljev"o, JSC Serbian Railways, 2007.
1 x SFTC-DL2000 (10kHz) 1 x SFTC-DL2000 (14.5kHz)	Two switch-off elements for level crossing: km. 94+593, Mataruška Banja", "Kraljevo", JSC Serbian Railways, 2007.
3 x SFTC-DL2000 (10kHz) 2 x SFTC-DL2000 (14.5kHz)	Two switch-on elements, two switch-off elements and one single element for detection on stopping track for level crossing: km. 62+413, "Vrba", "Kraljevo", JSC Serbian Railways, 2006.

EAC – ELECTRONIC AXLE COUNTER (Signalling & Control Ltd.)

- Electronic Axle Counter - EAC with 8th electronic trackside sensors (2 railway tracks with three axle counter sections on each track) is incorporated in the Electronic Level Crossing System ELC on the level crossing "Vreoci - Veliki Crljeni", at km. 26+700, on the double line track railway line "TE Obrenovac - Vreoci", "EPS", Serbia, 2016. y.

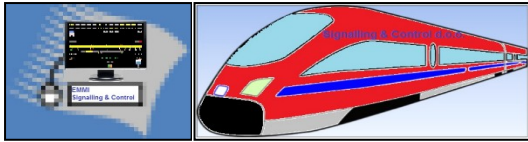


REFERENCE LIST

EMMI - ELECTRONIC MAN MACHINE INTERFACE

(Signalling & Control Ltd.)

1. Railway station "**Jajinci**", Project of reconstruction of the railway line "Jajinci - Mala Krsna", LOT 1 - Section "Jajinci - Mala Krsna", Infrastructure of Serbian Railways. Delivered, installed and tested, September 2021. Put-in operation is expected.
2. Railway station "**Vreoci**", Project of reconstruction of the railway line "Jajinci - Mala Krsna", LOT 1 - Section "Jajinci - Mala Krsna", Infrastructure of Serbian Railways. Delivered, installed and tested, September 2021. Put-in operation is expected.
3. Railway station "**Mala Krsna**", Project of reconstruction of the railway line "Jajinci - Mala Krsna", LOT 2 - Station "Mala Krsna", Infrastructure of Serbian Railways. In operation from September 2021.
4. Project of reconstruction of City Railways – "Beovoz", Reconstruction of the railway station "**Novi Beograd**", Delivery, installation, commissioning and putting into the operation of the EMMI system, JSC Serbian Railways / City Belgrade, December 2010. year.
5. Project EIB2 - T2 – Reconstruction of the railway line "Batajnica – Golubinci": Railway station "**Golubinci**", Delivery, installation, commissioning and putting into the operation of the EMMI system, JSC Serbian Railways, 2009. year.
6. Project EIB2 - T2 – Reconstruction of the railway line "Batajnica – Golubinci": Railway station "**Batajnica**", Delivery, installation, commissioning and putting into the operation of the EMMI system, JSC Serbian Railways, 2009. year.
7. Project EIB2 - T2 – Reconstruction of the railway line "Batajnica – Golubinci": Railway station "**Stara Pazova**", Delivery, installation, commissioning and putting into the operation of the EMMI system, JSC Serbian Railways, 2009. year.
8. Project EIB2 - T2 – Reconstruction of the railway line "Batajnica – Golubinci": Railway station "**Nova Pazova**", Delivery, installation, commissioning and putting into the operation of the EMMI system, JSC Serbian Railways, 2009. year.



REFERENCE LIST

INTERLOCKING SYSTEMS

(Signalling & Control Ltd.)

EI – Electronic Interlocking (Signalling & Control d.o.o.)

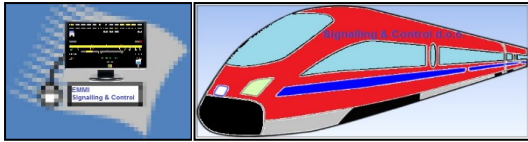
- Approval for use Certificate for the product: Electronic station interlocking system - EI (Electronic Interlocking), number: I-01-1 No.: 340-142-3/2016, issued by the Directorate for Railways of Republic of Serbia. The Prototype for the applications on Serbian Railways is realized and tested in factory. An installation at the one station on Serbian Railways is planned in the near future for the purpose of obtaining a reference.

EESD ("MUMZ) – Electronic Entrance Signals Interlocking system (Signalling & Control Ltd.)

- In accordance with the Typical project of the Entrance Signals Interlocking system of the Institute "Kirilo Savic" for Serbian Railways (Simple Interlocking system - "MUMZ"). The prototype of the EESD system is realized for the applications on Serbian Railways.

Electronic Interfaces based on PLC systems certified for SIL4 (Signalling & Control Ltd.)

- Electronic Interfaces based on PLC systems certified for SIL4 in accordance for CENELEC railway standards, which are dedicated for the realization of various types of interfaces between relay-based interlockings and level crossings and electronic interlockings and level crossings for the applications on Serbian Railways.



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POINTS HEATING SYSTEM

(Signalling & Control Ltd.)

EPH – Electronic Points Heating System (Signalling & Control Ltd.)

- In accordance with the Typical project of the points heating equipment for Serbian Railways. The prototype EPH system is realized for the applications on Serbian Railways.