

## "MAKIR - P" LTD.

### short company information

Company "**MAKIR - P" Ltd.** was established as a single - member limited liability Company with Decision № 4175/28.06.2005 of the Plovdiv Regional Court (PRC). Later a partner was employed with Decision № 7763/09.12.2005 of PRC and the company changes its name to "**MAKIR - P" Ltd.** Entered in the Commercial Register with the UIC 115892168 and in the Register of engineers in the Republic of Bulgaria under № 0027DB.

The company is represented by dipl.eng. Kiril Mladenov and dipl.eng. Marin Mladenov - together or separately. The main activity of the company includes - complex or separated investment researches and design of any constructions, buildings and equipment; development of expertise, reviews, implementation of technical control and expertise, organization of activities related to training and increasing the qualifications of specialists in the field of investment research and design and others. We are offering everything related to electrical design.

❖ **Address for correspondence:** - Bulgaria, 4000 Plovdiv, "Vasil Aprilov" blv. № 20

❖ **Representation** - together and separately from:  
- dipl. eng. Kiril Mladenov  
- dipl. eng. Marin Mladenov

❖ **The company employs** - we have enough professionals in our team, with a lot of experience in design of many deferent projects. Our designers have registration in Bulgarian Chamber of Engineers in Investment Design.

The company has entered into compulsory insurance "Professional liability of participants in the design and construction": insurance № 212210151000044/10.02.2010 - DZI "General Insurance" PLC

❖ **Specialist computer literacy:**

Auto CAD , Microsoft Office , Corel , Dialux and other lighting software , PVsyst and other specialized technical programs related to the design activity.

❖ **Available and used equipment:**

- connected in a local network workstations for each designer
- notebooks for outdoor use and office presentations
- different size scanners - A4, A3 and A0;
- color LaserJet and Inkjet printers different sizes - A4, A3 and A0
- b&w LaserJet printers different sizes - A4, A3, A0
- large format plotters - up to 44"
- wide format copy center

❖ **The company has designed numerous projects with different purpose:**

- indoor electrical installations of all types: power installations, lighting installations, earthing installations, lightning protection , telephone installations, computer networks, sound installation, television surveillance, access control, alarm-security systems and installations, systems for proclaiming in case of disaster, fire alarm system and other.
- artificial lighting in outdoor areas - streets, squares, parks, sports facilities, open sites for warehousing and manufacturing activities, architectural monuments, fountains and other
- aerial and underground power lines for voltages up to 110kV
- distribution systems and trafo-stations up to 110kV
- small hydropower plants
- solar power plants

All projects can be assembled with other parts of the project except electrical once, according to the requirements of the Bulgarian regulations. All necessary procedures for approval of routes; crossing other communication facilities; coordination with concerned instances, can be accomplished in all cases where this is explicitly required by the Principal.

A more detailed description of a part from the developed projects of the company for recent years can be seen in the rest of the attached documents.

**Summary of designing services performed by "MAKIR - P" Ltd.  
for the period 2006 - 2009 years:**

**1. Residential buildings - 70 pcs.**

**2. Industrial buildings - 31 pcs.**



**3. Administrative buildings - 16 pcs.**



- 4. Commercial and office buildings** - 5 pcs.
- 5. Administrative and residential buildings** - 7 pcs.
- 6. Porter, checkpoint, security guards** - 6 pcs.
- 7. Boiler rooms** - 8 pcs.
- 8. Industrial gas installations** - 5 pcs.
- 9. Shopping centers, Mall** - 4 pcs.



- 10. Elevators** - 35 pcs.
- 11. Garages, car washes, Auto complex** - 9 pcs.







12. Underground garages

- 8 pcs.

13. Stores, warehouses

- 34 pcs.



14. Restaurants

- 15 pcs.

15. Pumping and purification stations

- 6 pcs.



16. Hotels

- 12 pcs.



17. Supermarkets, shops

- 29 pcs.

18. Asphalt base

- 3 pcs.

19. Tracing plans

- 11 pcs.



20. Small hydropower

- 6 pcs.



21. Petrol stations and gas stations

- 10 pcs.



22. Parks

- 4 pcs.

23. Printing house

- 3 pcs.

24. Doctor's offices

- 10 pcs.

25. Parking lots

- 5 pcs.

26. Medical Centers

- 5 pcs.

27. Charging Stations

- 2 pcs.

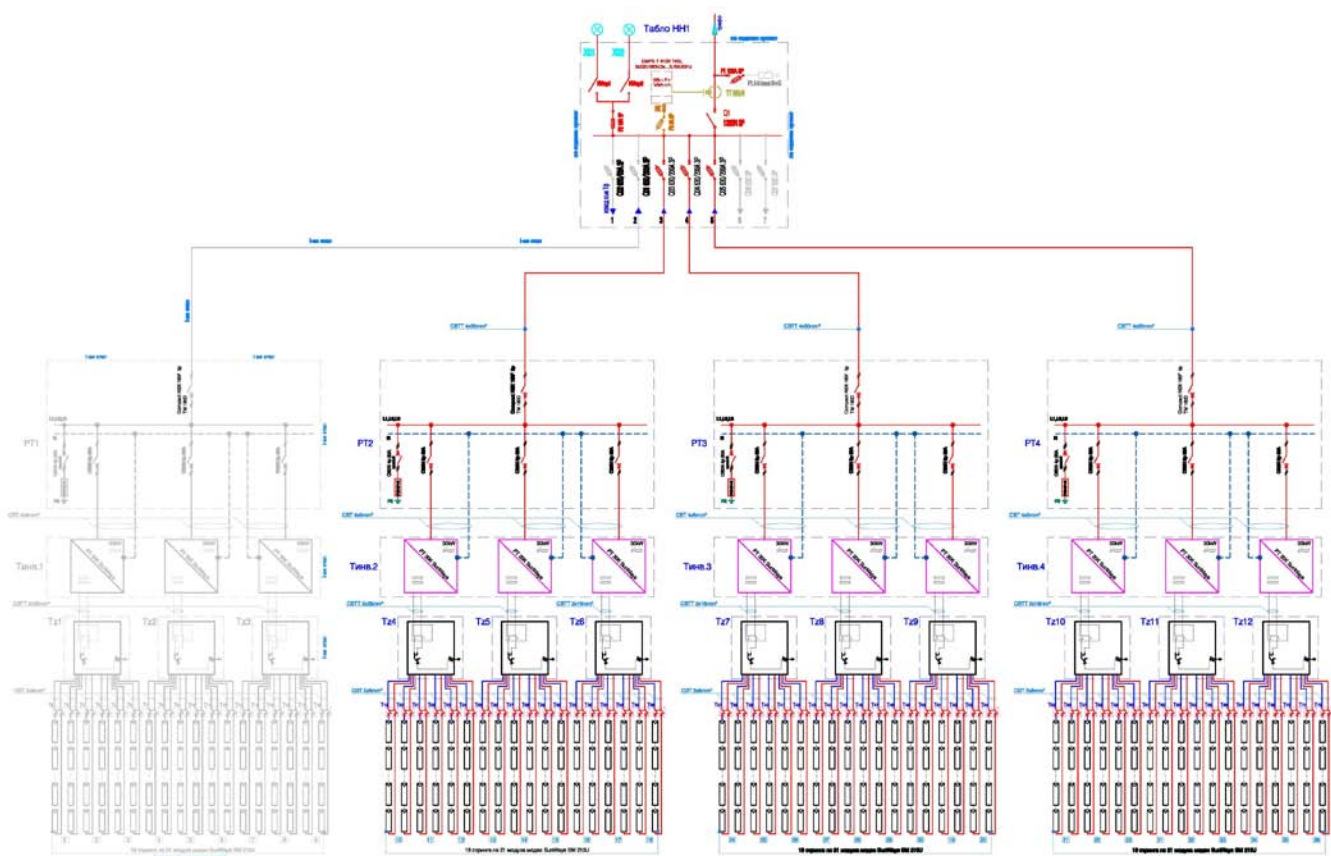
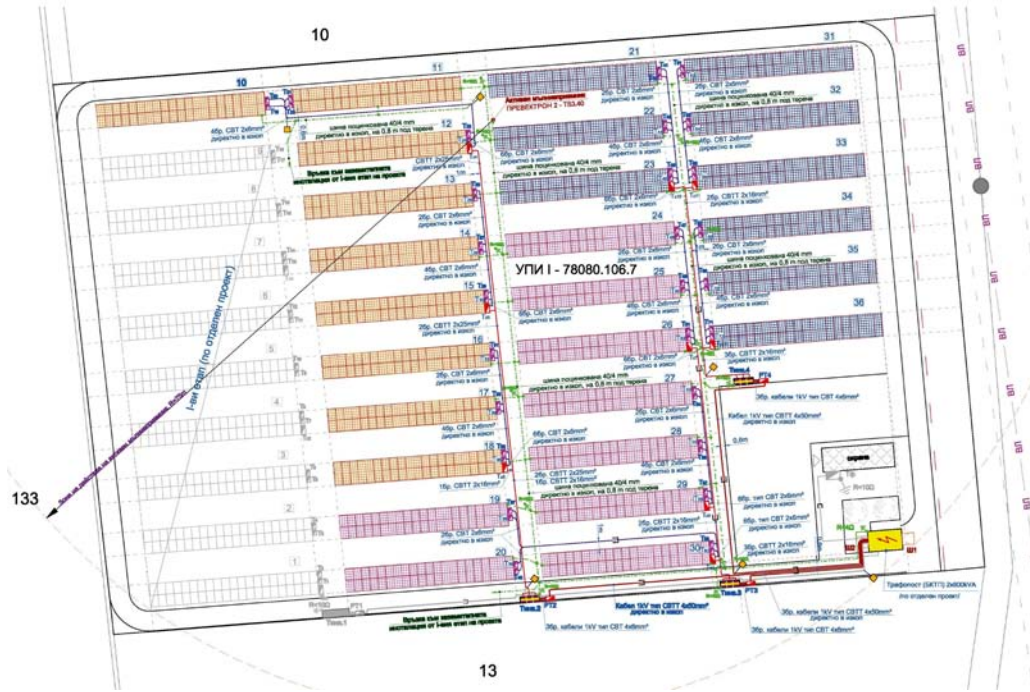
28. Solar power stations

- 5 pcs.









29. Fish farm

- 1 pcs.

- |                                  |                   |
|----------------------------------|-------------------|
| <b>30. Production of alcohol</b> | <b>- 3 pcs.</b>   |
| <b>31. Studios</b>               | <b>- 4 pcs.</b>   |
| <b>32. Schools</b>               | <b>- 1 pcs.</b>   |
| <b>33. Churches</b>              | <b>- 1 pcs.</b>   |
| <b>34. Cafes</b>                 | <b>- 8 pcs.</b>   |
| <b>35. Gambling halls</b>        | <b>- 3 pcs.</b>   |
| <b>36. Sewing factory</b>        | <b>- 5 pcs.</b>   |
| <b>37. Transformer stations</b>  | <b>- 170 pcs.</b> |
| <b>- metal and concrete</b>      | <b>- 120 pcs.</b> |







- mast

- 10 pcs.



- built and solid

- 40 pcs.





38. Distribution systems up to 35kV

- 20 pcs.





39. Nodal distribution stations to 35kV

- 4 pcs.



40. Air - cable passages

- 24 pcs.



41. Retrofit

- 5 pcs.



42. Underground cable lines up to 35kV

- 235 pcs.





- 43. Schemes for power to detailed development plan (DDP) - regulate constructions plan (RCP) for changing the purpose of the boden - 463 pcs.
- 44. Underground low voltage cable lines - 434 pcs.
- 45. Low voltage cable networks - 11 pcs.
- 46. Displacement and protection of telecommunication cables - 3 pcs.
- 47. Pipe cable channel network - 22 pcs.





48. Overhead power lines 20kV

- 12 pcs



49. Diesel electric aggregates

- 5 pcs.



50. Area lighting

- 8 pcs.



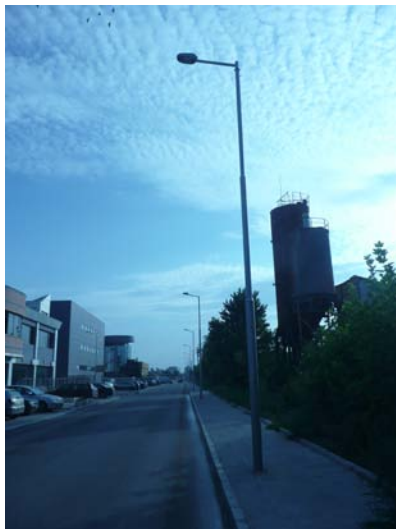
51. Separation of electrical energy measurement

- 4 pcs.



**52. Street lighting**

**- 4 pcs.**



**53. Protective tubes for fiber optic cables**

**- 2 pcs.**

**54. Trails of underground and over ground power lines**

**- 5 pcs.**

**55. Cabling air electric grids**

**- 22 pcs.**

**56. Aerial low voltage electrical networks with twisted insulated conductor**

**- 7 pcs.**

**57. Repair of existing low voltage electrical grids; remove of electric meters to the property boundaries**

**- 53 pcs.**





**58. Schemes for electric power of:**

- Rectify land - 19 pcs.
- Linear objects - 5 pcs.
- Places of trafo- stations - 4 pcs.

**59. Traffic lights**

**- 6 pcs.**

60. Temporary traffic organization

- 85 pcs.

61. Cathode protection

- 2 pcs.

62. Fountains, pools, water areas

- 5 pcs.

