



KONKORD GROUP – THE LARGEST WIND DEVELOPER IN THE CRIMEA



www.konkord-group.com

SUMMARY



- **Company's Wind Project Portfolio** amounts to 420 MW
- **Projects Key Advantages:**
 - ✓ Wind sites with the best wind potential;
 - ✓ Easy grid connection;
 - ✓ Simple logistics;
 - ✓ Projects are at the ready-for-construction stage
- **The Company has gained 9 years experience in the wind energy sector.**
- **Developed partner network:** GEO-NET Umweltconsulting GmbH, CrymNiiProject, Crimean Association "Ecology and Myr», SVS-Dnepr, Ukrenergosetproject, Dealex Transport, Plarad, WSB-Service and others.

Good partners relationships have been created and numerous negotiations have been conducted with leading wind manufacturers, such as Vestas, Nordex, Gamesa, Alstom, Sinosteel (China), etc.

ERXPERTISE



Company's expertise includes:

- On-site wind data collection and processing based on the best world practice in cooperation with the leading world experts in wind measurements;
- Environmental Impact Assessment in compliance with the international standards (World Bank, ENRD, etc);
- Land Lease agreements: preparation and approval with required state bodies;
- Development of technical projects for grid connection;
- Development of the technical documentation required for a wind project implementation.

BRIEF COMPANY HISTORY



- 2005:** Company Konkord Group was founded
 - 2007:** Start of 100 MW Kazantip Wind Farm project, Kerch peninsula, Crimea: agreement with Leninskiy District State Administration on conducting research works for 100 MW wind farm
 - 2008:** Beginning of the first certified wind measurement campaign in the Crimea
 - 2009:** Establishment of Crimean companies:
Konkord Group – Kazantipskaya Wind Farm and
Konkord Group – Sivashskaya Wind Farm
- Start of Sivashskaya Wind Farm project in the Crimea : agreement with Sovetskiy District State Administration on conducting research works for the project;
- Beginning of the certified wind measurement campaign for Sivash projects

BRIEF COMPANY HISTORY



2010: company Konkord Group – Sivashskaya Wind Farm 2 was registered in the Crimea

2011: Declarations on the commencement of the construction works for Kazantipskaya Wind Farm and Sivashskaya Wind Farms Projects were received in December, 2011

2012 - 2014 : Wind Project Portfolio totaling **420 MW** includes :

- 70 MW — Sivashskaya Wind Farm;
- 70 MW — Sivashskaya Wind Farm 2;
- 180 MW — Sivashskaya Wind Farm 3;
- 100 MW — Kazantipskaya Wind Farm.

All the projects are ready for attracting investments and construction works.

COMPANY TEAM



IGOR LUTSENKO

Founder and owner of Konkord Group Ltd,
CEO of Konkord Group-
Kazantipskaya Wind Farm Ltd
and Konkord Group-
Sivashskaya Wind Farm Ltd

Education:
Dragomanov National Pedagogical
University;
National Academy of Internal Affairs, PhD
in Law

Other position: founder of the Ukrainian
Wind Energy Association (UWEA),
member of the Board

As a leader of Konkord Group Igor Lutsenko has created a team of experts to develop wind energy projects. Mr. Lutsenko remains deeply involved in the implementation of all his projects, he knows all the possible nuances of development activities.

COMPANY TEAM



ANDRIY KONECHENKOV

Deputy CEO of Konkord Group for technical and environmental issues

Education: a degree in engineering, National Technical University of Ukraine “Kyiv Polytechnic Institute” ;
a degree in journalism, Union of Journalists of Ukraine;
Diploma of Energy Management and Energy Conservation Training Center at the NTUU “KPI”;
Diploma of DIERET-INFORSE training courses on alternative energy sources ;
Certificate of DEWI (German wind institute)

Other positions: Co-founder of the UWEA and Chairman of its Board; Head of the CIS WIND Committee at the WWEA; Head of Public Council at the State Agency on Energy Efficiency and Energy Saving of Ukraine, member of Public Council at the National Commission that Implements State Regulation in Energy Sector in Ukraine

COMPANY TEAM



GALINA SHMIDT

Deputy CEO of Konkord Group,
Head of International Relations
dpt.

Education: Kiev National Linguistic
University;

Diploma of DIERET-INFORSE training
courses on alternative energy sources ;
Certificate of DEWI (German wind
institute)

Other position: Head of International
Relations dpt , the UWEA



TATYANA KONDRATYUK

Commercial Director
of Konkord Group

Education: Kharkov State University;
National Academy of Public Management,
PhD in Public Administration

Recent position: Deputy Minister of
Family, Youth and Sports of Ukraine

COMPANY TEAM



NIKOLAY GERMANOVICH

Technical Manager

Education: Kiev Commercial Aviation Engineers Institute



ALEKSANDR KOSYAKOV

Head of Representative office in the Crimea

Education: Tomsk Polytechnic Institute; Moscow Power Engineering Institute, PhD

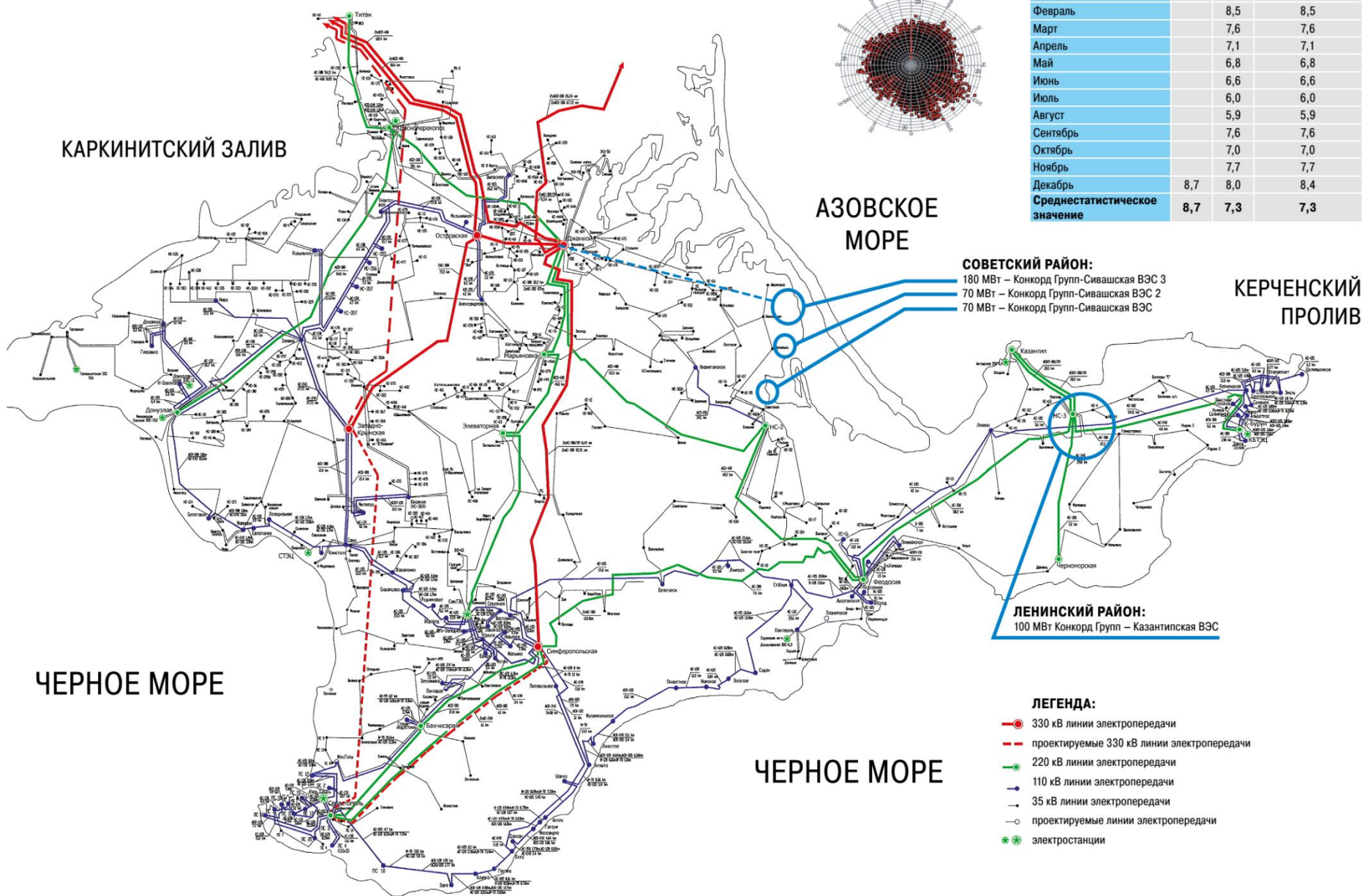
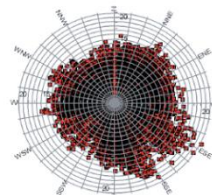
Post positions:

chief engineer, head of the Crimean branch of the All-Union Scientific Research Institute "Energoprom"; Head of the Department for alternative energy at "Krymenergonaladka", "Krymenergo"; Chief Assistant Director "Krymenergo", member of the UWEA Board

ВЕТРОЭНЕРГЕТИЧЕСКИЕ ПРОЕКТЫ, РЕАЛИЗУЕМЫЕ КОНКОРД ГРУПП В АР КРЫМ

ПОКАЗАТЕЛИ СКОРОСТИ ВЕТРА, м/сек

Месяц	2008	2009	Среднемесечное значение
Январь		8,7	8,7
Февраль		8,5	8,5
Март		7,6	7,6
Апрель		7,1	7,1
Май		6,8	6,8
Июнь		6,6	6,6
Июль		6,0	6,0
Август		5,9	5,9
Сентябрь		7,6	7,6
Октябрь		7,0	7,0
Ноябрь		7,7	7,7
Декабрь	8,7	8,0	8,4
Среднестатистическое значение	8,7	7,3	7,3



КАРКИНИТСКИЙ ЗАЛИВ

АЗОВСКОЕ МОРЕ

КЕРЧЕНСКИЙ ПРОЛИВ

ЧЕРНОЕ МОРЕ

ЧЕРНОЕ МОРЕ

СОВЕТСКИЙ РАЙОН:
 180 МВт – Конкорд Групп-Сивашская ВЭС 3
 70 МВт – Конкорд Групп-Сивашская ВЭС 2
 70 МВт – Конкорд Групп-Сивашская ВЭС

ЛЕНИНСКИЙ РАЙОН:
 100 МВт Конкорд Групп – Казантипская ВЭС

- ЛЕГЕНДА:**
- 330 кВ линии электропередачи
 - - - проектируемые 330 кВ линии электропередачи
 - 220 кВ линии электропередачи
 - - - проектируемые 220 кВ линии электропередачи
 - 110 кВ линии электропередачи
 - - - проектируемые 110 кВ линии электропередачи
 - 35 кВ линии электропередачи
 - - - проектируемые линии электропередачи
 - ⊙ электростанции

WORKS PERFORMED



Support from the Crimean Public Authorities:

- Trilateral treaties have been executed between the Ministry of Fuel and Energy of the Republic of Crimea, Konkord Group companies and District State Administrations of Leninskiy and Sovetskiy districts on the collaboration in resolving of socio-economic problems of the region and providing for the state support to Konkord Group Wind Farm Projects;
- Resolutions by sessions of the Leninsky and Sovetskiy district councils “On conferring the status of socially significant project for the region“.

Wind Measurement:

- Annual on-site wind measurements have been conducted in cooperation with a company GEO-NET Umweltconsulting GmbH, Germany, in compliance with BWE, FGW; TR 5 and 6, International Electrotechnical Commission (IEC:61400-12-1:2005), and MEASNET standards.
- On-site geological exploration and survey;
- Purchase of the certified meteorological equipment;
- Installation of the masts equipped with and wind measurement devices.

WORKS PERFORMED



Energy Yield Estimation, Selection of a Wind Turbine Supplier :

- Micrositing have been done in cooperation with GEO-NET as well as with wind turbine manufacturers such as Vestas and Gamesa;
- Energy yield estimation for a specific wind turbine model;
- Negotiations with companies Vestas and Gamesa on wind turbine supply.

Grid connection:

- Preparation of design input data;
- Approval of transmission routes;
- Technical design project on a scheme of power distribution by a wind farm;
- Grid Connection agreements.

WORKS PERFORMED

Environmental Impact Assessment (EIA):

- Annual and/or seasonal on-site researches and studies on assessment of the current status of ornithological and herpetological fauna; flora and vegetation, and mammals with focus on bats.
- Public hearings devoted to the projects including public presentation of the projects;
- Project-related publications in mass media;
- State ecological expertise.

Technical Documentation:

- On-site Engineering and Geological study;
- Town Planning Justification;
- Topography and Geodesic Survey ;
- On-site Archeological Study;

Land Use Rights:

- Land Allocation projects and their approval by the responsible republican, regional and local bodies and authorities;
- Regulatory monetary valuation of land plots;
- General plan of a wind farm;
- State Land Management documentation expertise;
- Rent rate calculation;
- Execution and registration of Land Leases for 49 years.

WORKS PERFORMED



Declaration on Commencement of Construction Works:

- Contract for development of a wind farm project feasibility study;
- Contract for construction supervision;
- Conclusion on seismicity of a project site;
- Registration of a Declaration on Commencement of construction works by the Crimean Architectural and Construction Inspection.