

NEO STACK Technology

Proven IT solutions, Customer
Focus, Ambitious and Experienced
Team

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Who We Are

NEO Stack Technology renders a wide range of services in software design development and IT-consulting. Our Company has impressive experience in developing web-, desktop-, mobile-framework for further implementation into different economic sectors.

Since 2010 the Company has developed more than 70 projects, formed extensive network of partners and has become authorized developers for such companies as Autodesk, ESRI, Microsoft and others. Such factors as high-quality expertise level, widespread implementation territory and positive customer reviews ensure the Company's product quality.

30+
**HIGHLY-
SKILLED
PROFESSIONALS**

- Project executives
- Programmers
- System analysts
- Testers / tech writers
- Data processing personnel

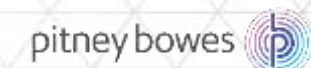
Technologies we use

- Web-development-.NET, ASP.NET MVC 5, Web Api 2, JSON, HTML, CSS, JS, jQuery, ORM (NHibernate, Entity Framework), Node JS
- DBMS-MS SQL, ORACLE, PostgreSQL and others
- Desktop-development-.NET, WPF, WCF, AutoCAD .NET, C++
- Mobile development-Android Studio, Gradle, Retrofit, Butter Knife, Event Bus, Sliding Menu, Cordova + Ionic, Objective-C, Swift, Java, PhoneGap, Kotlin, Xamarin, Unity3D

Operated Products

- Autodesk AutoCAD, Civil 3D
- ESRI ArcGIS for Desktop, ArcGIS for Server
- Pitney Bowes MapInfo Professional
- Bentley Auto PLANT, Bentley MAP, Bentley Project Wise
- QGIS, GeoServer and other open sources

70+
SUCCESSFULLY
PERFORMED
AND
IMPLEMENTED
PROJECTS



Key Customers

JSC Rosneft, JSC TomskNIPIneft, JSC Tomskneft, RN-SakhalinNIPImorneft Ltd., RN-Uganskneftgas Ltd., East-Siberian Oil&Gas Company, National Research Tomsk Polytechnic University and others.



OUR MAIN GOAL

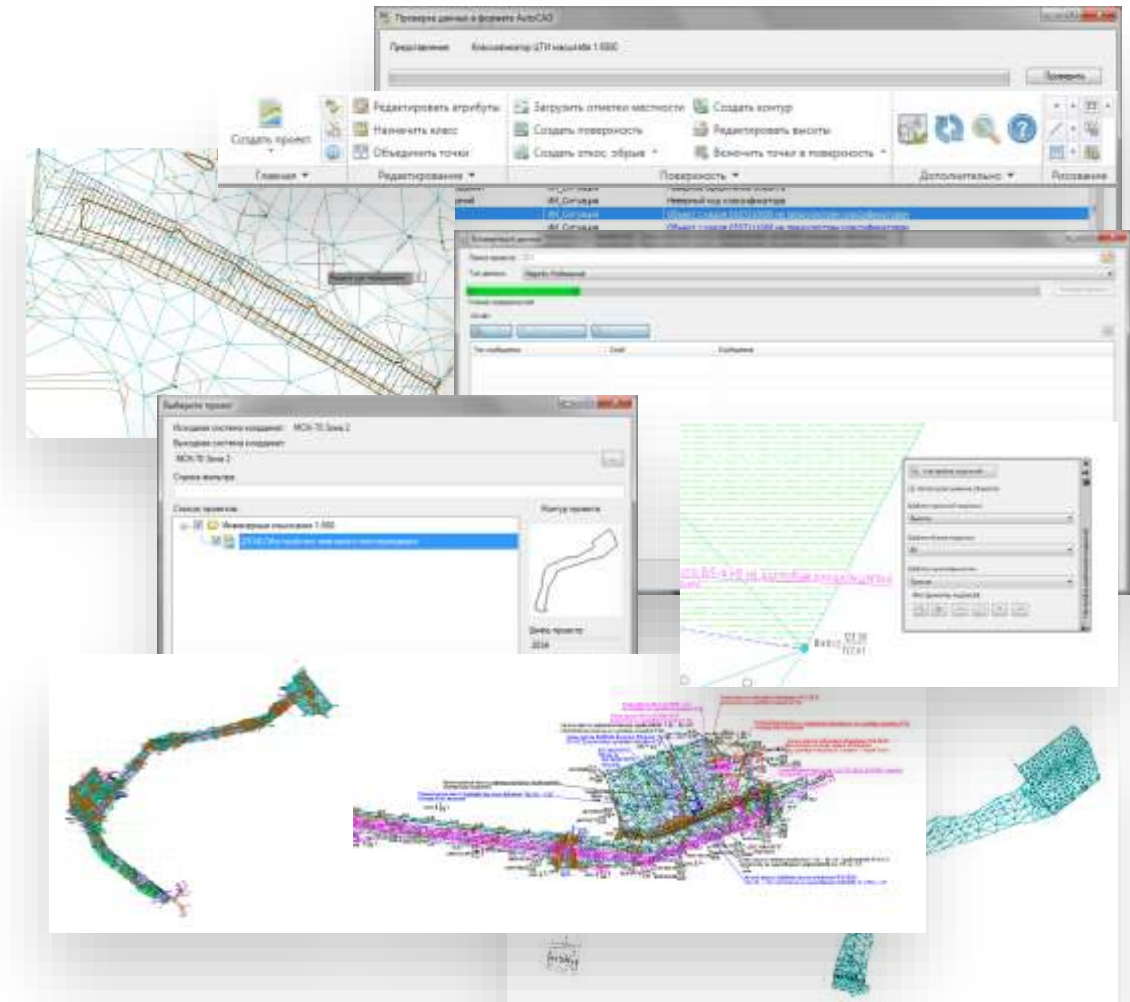
is to build a long, reliable and mutually beneficial relationship. Since 2019, NST enters the international market, preserving the values and achievements of our employees and management.

Software application ensuring complete office analysis cycle in preparing topographic maps of engineering site-investigation.

- object drafting storage within integrated geodatabase
- automatic materials export in the formats of MapInfo and ArcGIS, with no loss of formatting and object attributes
- drafting translation in different coordinate systems
- tools for classification of topographic maps in AutoCAD, MapInfo or ArcGIS
- automatic check of materials according to classifier requirements
- computer-aided design of complicated objects: cliffs, slopes, etc.
- automatized object signing, including complex signs such as parallel, footnotes, scaffolding formulas, etc.
- developing 3D- surfaces based on CREDO-DAT benchmarks

Products and technology

- AutoCAD Civil 3D 2012+
- AutoCAD .NET API
- ArcGIS Runtime SDK for .NET
- C# \ WPF \ WCF
- DBMS: Oracle \ MS SQL \ PostgreSQL

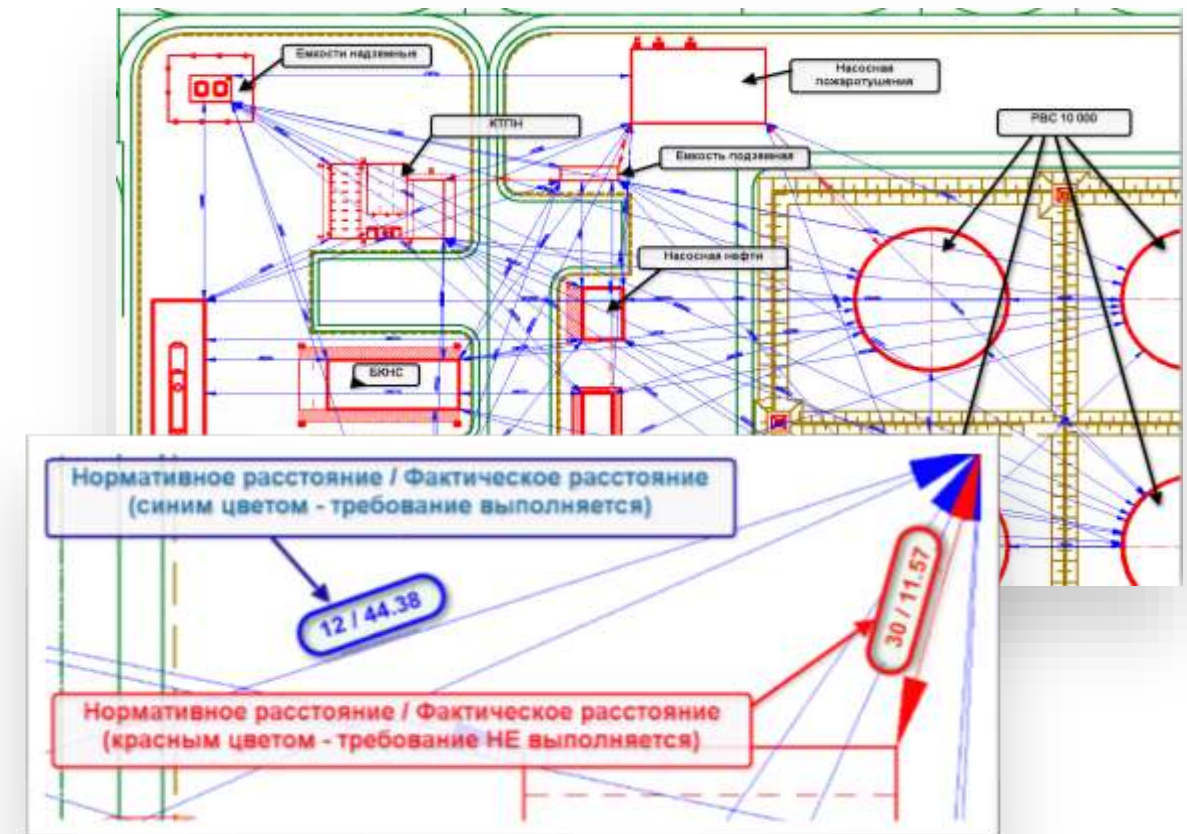


Software application for automatic calculation of standard fire separation distance between drafted objects.

- flexible classification of objects according to tables from regulatory documents
- fire separation distance mapping on drafts corresponding or not to standards
- depicting drafted objects with calculated distance
- mapping all fire separation distances in table; possible selection of specific standard in the case if the distance between the objects is governed by several standards simultaneously
- report of calculated distances, exported into MS Excel
- user-friendly adding and changing tables of standard fire separation distance

Products and technology

- AutoCAD 2012+
- AutoCAD .NET API
- C# \ WPF \ WCF
- DBMS: MS SQL Server Compact

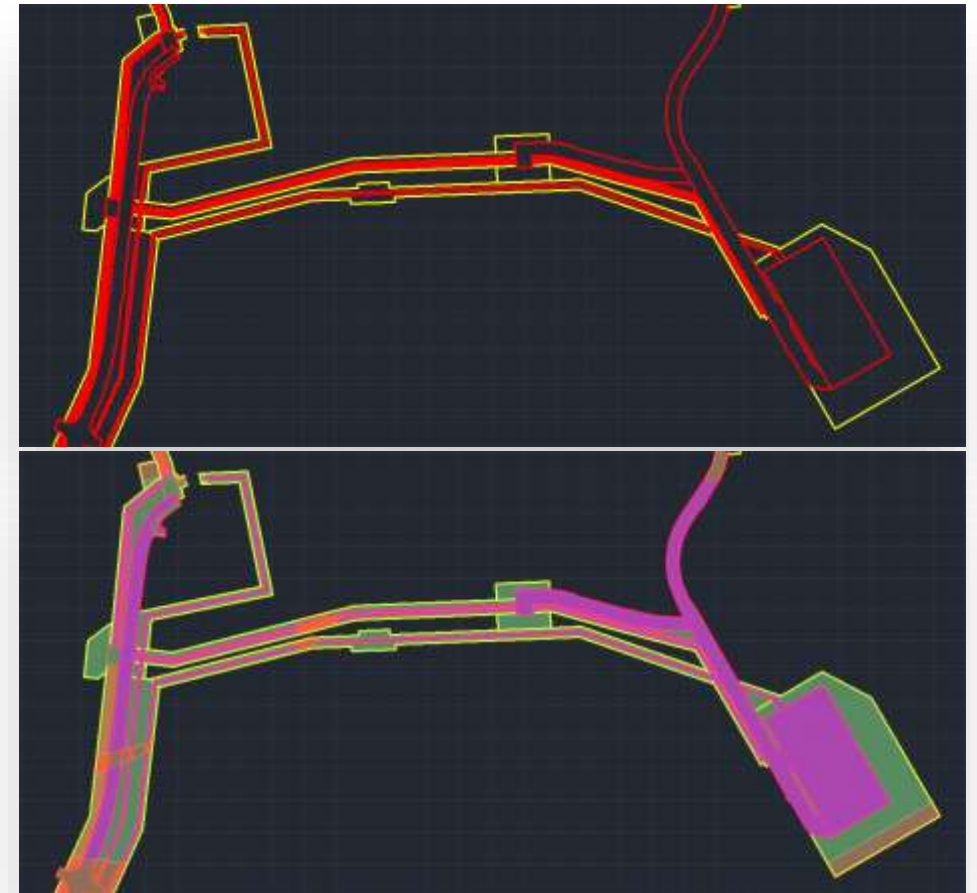


Software application for listing occupied farming lands (creating records of occupied farming lands, records of prep activities)

- plotting land allotment, farming lands and marshes on drafts
- classifying land allotment, farming lands and marshes of plotted objects
- introducing attribute information of land allotment and farming lands
- identifying cut-over areas and rooting out
- automatic calculation of work volume and designing records based on classified drafted objects

Products and technology

- AutoCAD 2012+
- AutoCAD .NET API
- C#
- WPF



Enterprise-grade GEOinformation system for subsidiary petroleum companies. Implementation based on database of map-materials and drafts to solve shared task access. Data access available via web browser

- this system renders custom maps from access set of layers, scales these maps, adds self-generated annotations, retains the maps in the system, sends references to these maps via e-mail, prints and saves in high resolution
- extensive capabilities to create analytical tools: data retrieval, automatic search of optimal traffic routes, modeling flooding areas, etc.
- integration with other systems to plot on a map corresponding data
- possible web client database editing

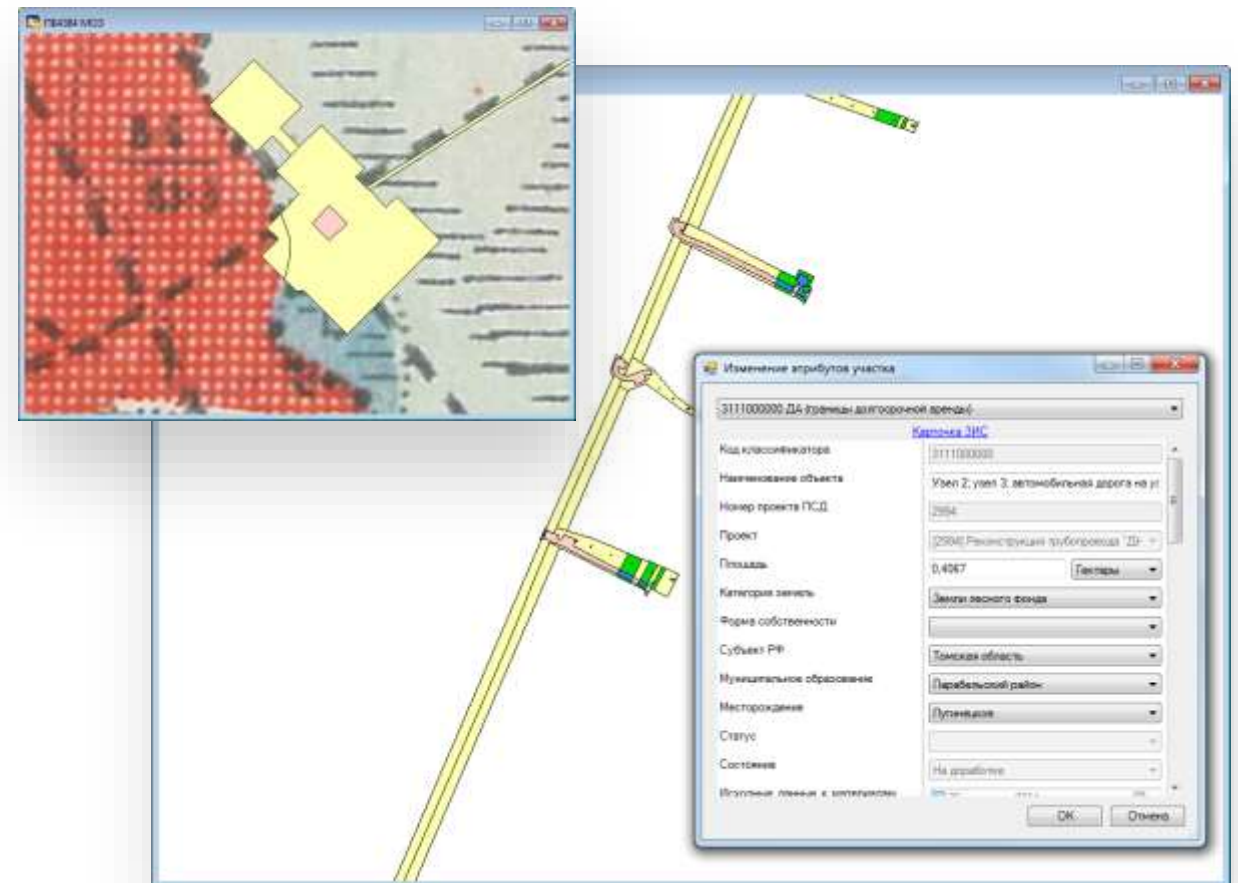
Products and technology

- ArcGIS for Server 10.x
- ArcGIS JS API
- C# \ JavaScript
- СУБД: Oracle \ MS SQL



Software application for retaining land surveying records throughout land parcel life cycle. Executing complex is based on GIS systems (MapInfo, ArcGIS)

- creating land parcel contours and their formatting on the basis of classifiers
- retaining attribute information of land parcels
- attaching land surveying and confirmation documents to land parcel and / or parcels with possible automatic document type realization
- matching system of land parcel contours
- monitoring land parcels throughout their life cycle (boundary project generation, registration of title and renting in the process of delivering and delivered)



Products and technology

- ArcGIS for Server 10.x
- ArcGIS Desktop 10.x
- ArcGIS JS API
- C# \ JavaScript
- Pitney Bowes MapInfo 11.x+
- DBMS: Oracle \ MS SQL

Software application for managing business-processes involving pipeline failure detection monitoring and their fault liquidation

- storing information on occurring pipeline failures in integrated database
- passporting zones of pipeline failure consequences and their remediation and further commissioning by regional committees
- mapping spatial information on contaminated zones which could determine the scale of the incident
- automatic reporting simplifies the process of notifying public supervisory and monitoring authorities
- available announcement system to take steps in pipeline failure consequence localization
- maintaining failure motion process throughout the life cycle of the zone itself

Products and technology

- ArcGIS for Server 10.x
- ArcGIS JS API
- C# \ JavaScript
- DBMS: Oracle \ MS SQL

Software application for recording quarries and their changes throughout their life cycle- from land parcel laying-out of quarry to commissioning

- ensuring monitoring throughout the quarry life cycle, storage and quick access to documents and information in a specific quarry
- implementing electronic document management tools
- mapping quarry in web- portal. Access to attribute information and documents of quarry
- statistics estimation according to reserve parameters, extraction and common fossil mineral transportation from each quarry
- protection from unauthorized module use
- announcement system about adding important information

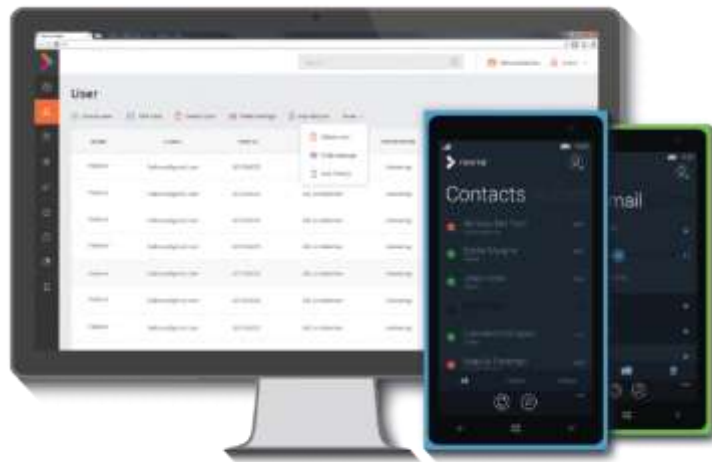
Products and technology

- ArcGIS for Server 10.x
- ArcGIS JS API
- C# \ JavaScript
- DBMS: Oracle \ MS SQL

The image displays two overlapping screenshots of the 'Quarry Register' web application. The top screenshot shows a 'Карьер' (Quarry) form with fields for 'Наименование' (Name), 'Статус документирования' (Documentation status), 'Статус разработки' (Development status), 'Тип разработки' (Development type), 'Лицензионный участок' (Licensing area), 'Мощность вскрыши, м' (Blast power, m), 'Проектная организация' (Project organization), 'Владелец' (Owner), 'Материально-ответственное лицо' (Materially responsible person), 'Субъект РФ' (Subject of RF), 'Шифр проекта' (Project code), 'Горноотводный акт' (Mining order act), 'Площадь' (Area), and 'Дата последнего изменения' (Date of last change). The bottom screenshot shows a 'Карьер' form with fields for 'Номер договора аренды' (Lease agreement number), 'Дата окончания аренды' (Lease expiration date), 'Номер лицензии' (License number), 'Дата выдачи лицензии/разрешения' (License/permit issuance date), 'Дата окончания лицензии/разрешения' (License/permit expiration date), and 'Примечание' (Remarks). Both screenshots show a sidebar with a tree view of the quarry hierarchy and a list of documents.

Automation control system of nursery-school network in Ireland. Functional system is divided into two sections: nursery-school personnel and parents

- tracking child activities
- service payments
- interaction between educators and nursery teachers
- calendar of events



Flexible decision ensuring mobile and simple tools for effective personnel intercommunication. Mobile application includes all mobile communication functions

- integrated control of mobile security policy
- maintainability and simplicity in managing large number of SIM-cards
- flexibility in generating and updating mobile subscription plans
- application control and monitoring expenses on mobile communication
- provision of complete mobile support package for end user

Services for data processing

Processing geodata of planning and surveying, conversion of topographic plans and maps in AutoCAD, MapInfo, ArcGIS; digitizing topographic and land management materials; database development and availability of multi-purpose geodata.

Our Company renders the following services in data processing:

- digitizing raster data and systematization within the framework of geodata base
- selecting and processing of ERS raster data (base maps from Yandex, Bing satellites) and referenced maps
- creating topographic plans and maps based on topographic or the photomaps
- custom-tailored map model design (topography, engineering survey, regular layout plans, ecological survey, etc.)
- processing airborne laser scanning data and custom-tailored topographic plan preparation
- designing 3D model based on surface laser scanning
- 3D model based on design solution according to specification documents of customer



Contacts

David Amirkhanian

Business Development & International Sales

✉ amirkhaniandr@neostk.com

☎ +7 923 446 39 96

📍 @NeoStack

