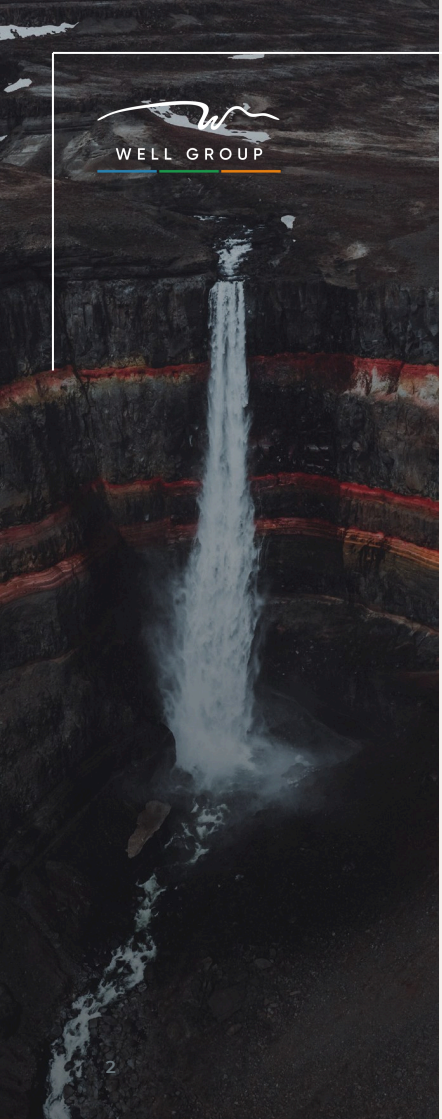


WELL GROUP

Corporate Catalogue 2026

HidroWell | EnviroWell | MineWell

Creating a safer, more sustainable planet.



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WELL GROUP

Welcome

Hydrogeology, environmental and mining engineering

Well Group brings the expertise of HidroWell, EnviroWell and MineWell together under one roof. We provide integrated engineering and consultancy services in hydrogeology, the environment, water resources, geology, energy and mining.

By combining different disciplines in a single project approach, we develop comprehensive solutions for the technical, environmental and resource-management needs of energy, mining, infrastructure, water-supply and industrial investments.

From public institutions to the private sector, and from local projects to the reporting required by international lenders, we carry out hydrogeological modelling, field investigations, environmental impact assessment, permitting and licensing consultancy, and sustainability work.

Our shared goal is to deliver data-driven, practical and sustainable engineering solutions that treat water, earth and the environment as one system.

Our Mission

To provide hydrogeology, environmental and water engineering consultancy under one roof, with a scientific, field-based approach that protects natural resources and safeguards investments.

Our Vision

To be an engineering group recognised as an international reference, turning subsurface knowledge into engineering.

One Group. Multidisciplinary Expertise. Integrated Engineering.

Three Firms, One Roof

A shared scientific approach and engineering discipline: on every project, the expertise required comes together in a single team.

WELL GROUP

Hidrowell

Integrated assessment of groundwater and surface water resources at river basin scale.

- Basin-scale hydrogeological studies
- River Basin Management Plans
- Basin Master Plans
- Drinking water source protection projects
- Route hydrogeological risk assessment projects

Envirowell

Environmental and social impact assessment studies.

- ESIA: Environmental and Social Impact Assessment
- EIA: Environmental Impact Assessment
- SEA: Strategic Environmental Assessment
- Sustainability and Environmental Compliance
- Sectors: Energy, Mining, Water Resources, Industry, Transport and Infrastructure, Superstructure

Minewell

Hydrogeological consultancy

- Field investigations
- Aquifer testing
- Groundwater modelling
- Mining, infrastructure and superstructure projects
- Flood risk analysis and related spatial assessments

Well Group Profile

Since 2020

Engineering and consultancy in hydrogeology, environment and water resources

3

Firms, one roof

HidroWell, EnviroWell, MineWell

20+

Years of experience

Team experience in field work and modelling

6

River basins

in an EU-funded river basin management plan project. Also World Bank-funded route projects.

Multidisciplinary team

Hydrogeology, geology, hydrology, environment and mining expertise come together in a single project approach.

Field work and modelling

Technical assessments are supported by real field data, engineering analyses and modelling.

Legislation and standards

Work is carried out in line with national legislation and relevant international environmental and social standards.

Our Services

We deliver our disciplines under one roof, with a single project team.

Hydrogeology and groundwater

- Hydrogeological survey
- Hydrogeological risk assessment
- Route projects: hydrogeological risk assessment studies
- Mine water management and dewatering
- Dam / reservoir leakage detection
- Wetland hydrogeology

Basin planning and water resources

- Basin-scale hydrogeological studies
- River basin management plans
- Basin master plans
- Water allocation and drought analysis
- Drinking water and water supply planning

EIA, ESIA, SEA and environmental monitoring

- EIA, ESIA and SEA
- Cumulative impact assessment
- Environmental and social monitoring and reporting
- Permitting, licensing and compliance advisory
- Reporting for lenders

Hydrology and flood

- Flood frequency analysis and inundation models
- Engineering hydrology and hydraulic studies
- Flood hazard and risk mapping
- Surface water–groundwater interaction, water budget

GIS and numerical modelling

- Groundwater flow and transport modelling
- Hydrological and hydraulic modelling
- Hydrogeological and thematic mapping
- Database design

Field investigations

- Drilling supervision
- Aquifer (pumping) tests
- Geophysical survey coordination
- Hydro-census inventory
- Dye tracer tests
- Quality/quantity monitoring and isotope hydrology

Modelling and Analysis

WELL GROUP

Numerical Groundwater Modelling

Quantitatively analyses complex hydrogeological systems and predicts flow and contaminant transport under different scenarios, using MODFLOW, FEFLOW and similar internationally recognised software.

- Flow model: aquifer behaviour, dewatering design, water supply optimisation
- Contaminant transport model: advection-dispersion, reaction processes, risk dispersion maps
- Conceptual, analytical and 2D-3D numerical modelling
- Models are calibrated with field data and tested under various scenarios
- 3D geological modelling with Leapfrog; seepage and groundwater flow modelling with GeoStudio (SEEP/W)

Hydrology and Flood Analyses

Flood frequency analysis and inundation models; surface water–groundwater interaction, water budget, water allocation and drought analysis.

- Flood frequency analysis and inundation models
- Flood hazard and risk mapping
- Engineering hydrology, hydrological modelling and hydraulic studies
- Water budget, water allocation and drought analysis

GIS Solutions

Hydrogeological mapping, database design and visualisation of model results.

- Hydrogeological and thematic maps
- Database design
- GIS studies compliant with DSİ circulars for dam, hydropower, pond, regulator and similar projects
- Visualisation of model results

Field Investigations

Primary data for modelling and environmental assessment; the basis of the conceptual model.

01

Drilling supervision

Technical supervision of water supply and dewatering drilling; drilling supervision, pumping tests and water quality monitoring.

02

Aquifer tests

Slug, step-drawdown and constant-rate tests; determination of aquifer parameters through recovery analysis.

03

Geophysical survey coordination

Planning of purpose-specific geophysical surveys and feeding their results into the hydrogeological assessment.

04

Hydro-census inventory

Inventory of wells, springs, surface water and drainage channels; level, discharge and in-situ measurements.

05

Quality/Quantity Monitoring and Isotope Hydrology

Regular monitoring through level, discharge, in-situ measurements, chemical analyses and dye tracer tests.

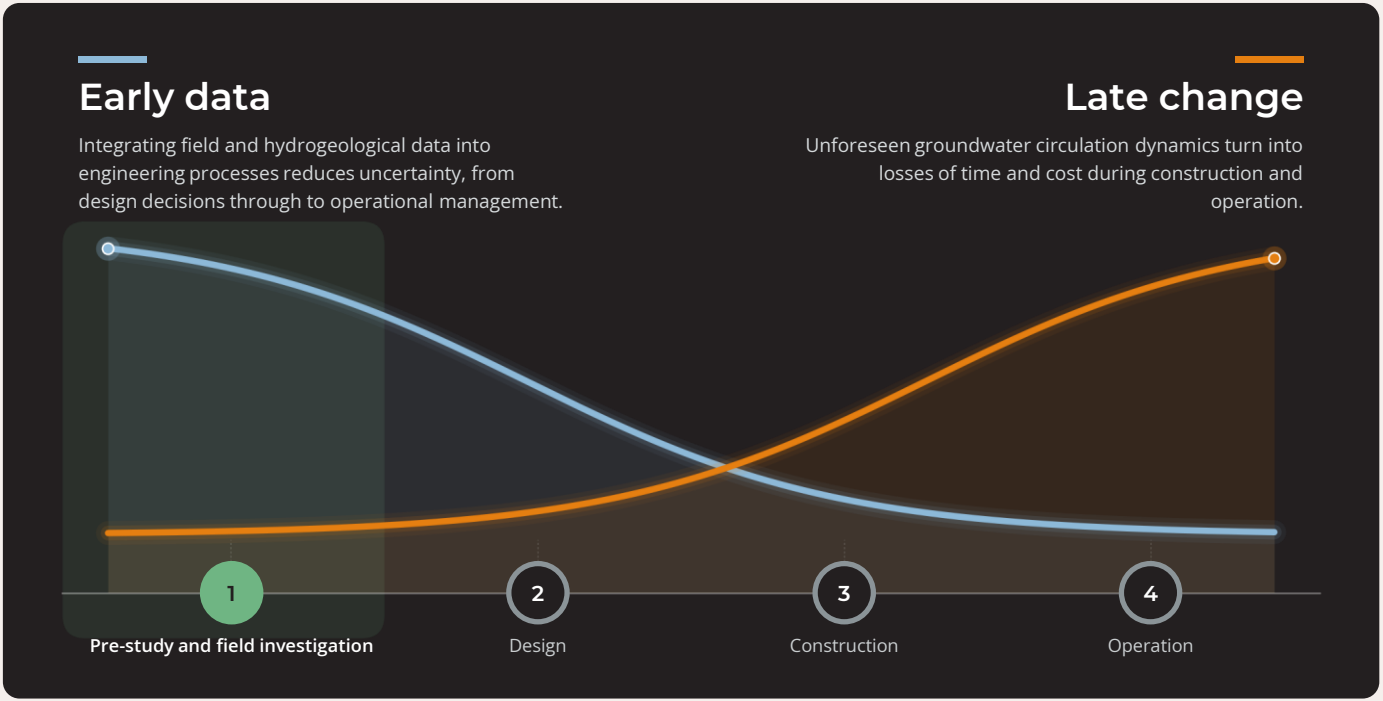
06

Leakage detection for dams and reservoirs

Identification of potential leakage paths through geophysics, piezometric monitoring and groundwater modelling.

Early Data, Lower Risk

Understanding the ground and groundwater early gives the greatest ability to shape decisions at the lowest cost of change.



We generate only the data that truly matters — optimised for time, cost and accuracy.

Sectors

Different sectors, shared technical strength: we assess the water, environmental, geological and mining components together.

Energy

For solar, wind and other energy investments, we assess the environmental, social, hydrogeological and hydrological conditions of the project together.

Work areas: EIA and ESIA • Environmental and social due diligence (ESDD) • Stakeholder engagement plans • Engineering hydrology and flood analyses

Mining

This is one of our work areas where geology, hydrogeology, surface water, the environment and engineering disciplines intersect most strongly.

Work areas: Hydrogeological survey and modelling • Groundwater inflow prediction • Dewatering design • Surface water and drainage management

Infrastructure

In transport and large-scale engineering structures, we ensure that natural-environment conditions are assessed together with project design and environmental processes.

Work areas: Hydrogeological and hydrological studies • Groundwater–surface water interaction • Flood and drainage assessments • GIS-based analyses

Water management

The protection, development and sustainable management of water resources is one of our core areas of expertise.

Work areas: River basin management plans • Drinking-water and water-supply master plans • Aquifer assessments and water budget • Groundwater drought/allocation studies • Water quality and SEA

WELL GROUP

Our Core Values

Expertise

Data-driven solutions with 20+ years of field and modeling experience.

Multidisciplinary Collaboration

Our experts in geology, hydrogeology, hydrology, and GIS collaborate seamlessly.

Trust & Integrity

Based on data, transparent communication, and ethical business practices.

Future-Ready

Through innovative models, we foresee risks and support sustainable decisions.

Sustainability & Responsibility

We protect natural resources and minimize environmental impact.

Quality & Safety

Our integrated HSE&Q system guarantees occupational health, safety, and quality.



Hydrogeology · Mining · Environment · GIS

Basin-scale hydrogeological studies, river basin management plans and basin master plans

Integrated assessment of groundwater and surface water resources at river basin scale.



Focus areas

Basin-scale hydrogeological studies
Understanding groundwater and surface water resources across the whole river basin.

River Basin Management Plans
Planning for the protection and sustainable use of water resources at basin scale.

Basin Master Plans
Integrated planning of water resources development and use across the river basin.

HidroWell Mühendislik Müşavirlik Ltd. Şti.

HidroWell offers public and private sector organisations engineering assessments and solution-oriented recommendations.

Since 2020, HidroWell has provided engineering and consultancy services in surface and groundwater resources, hydrogeology-geology, mining and environment, and geographic information systems (GIS).

The firm carries out engineering situation assessments for public and private sector organisations and develops solution-oriented recommendations for critical problems.

HidroWell takes part in a wide range of projects in Türkiye and abroad within national and international regulations, and takes responsibility for resource sustainability and environmental management.

A Well Group company



Selected Project Topics

Examples of project topics

1. Groundwater planning (hydrogeological survey) for the Tigris Basin
2. Groundwater sectoral water-allocation plans for river basin management plans in six basins (EU technical assistance project)
3. Revised management plan for the Acıgöl Wetland and mathematical modelling of its hydrogeology
4. Hydrogeological impact assessment report for a high-speed rail project
5. Delineation of protection zones for drinking water wells and springs in Muğla/Yatağan

Organisations we work with

Kayseri Metropolitan Municipality

Groundwater assessment and SEA within the drinking-water master plan

General Directorate of State Hydraulic Works (DSİ)

Basin-scale hydrogeological survey; as a solution partner

Ministry of Agriculture and Forestry

EU-funded basin projects; as a solution partner

Sakarya Water and Sewerage Administration (SASKİ)

Hydrogeological survey



EIA · Sustainability · Compliance

Environmental and social impact assessment, EIA and strategic environmental assessment

Sectors: Energy, Mining, Water Resources, Industry, Transport and Infrastructure, Superstructure

EnviroWell Mühendislik Müşavirlik Ltd. Şti.

EnviroWell is an engineering and consultancy firm specialised in environmental consultancy, developing project-specific solutions.

Our team of experienced professionals develops solutions that help clients improve their environmental performance and meet their environmental responsibilities.

To help clients reach sustainable-development goals, we develop project-specific solutions using current scientific data and technology; by guiding them through regulatory-compliance processes, we help them save time and resources.

We take a careful and comprehensive approach tailored to every project. By applying good industry practice, we support our clients in meeting their environmental obligations in full.

We continue to work with determination and professionalism on environmental sustainability.



Focus areas

ESIA: Environmental and Social Impact Assessment

EIA: Environmental Impact Assessment

SEA: Strategic Environmental Assessment

Sustainability and Environmental Compliance

Featured Work Areas

Examples from selected types of work.

01

EU-funded river basin management plans and SEA

As a solution partner in projects of the Ministry of Environment, Urbanisation and Climate Change

Preparation of Strategic Environmental Assessment reports and final river basin management plans for six river basins.

02

Environment, Water Quality and SEA within Basin Master Planning

As a solution partner in projects of the General Directorate of State Hydraulic Works (DSİ)

Strategic Environmental Assessment studies on basin-scale environmental and water quality assessment and water resources planning.

03

EIA Studies within DSİ Planning Projects

Pond and flood protection projects in Elazığ Province

EIA studies assessing environmental impacts during the planning of pond and flood protection projects.

04

EIA for Solid Waste, Energy and Mining Projects

Süleymanpaşa Integrated Solid Waste Facility, Evciler and Şarköy wind farms, Parmakören solar plant, Kılılı Limestone Quarry

Conducting EIA processes and preparing the related reports for solid waste management, renewable energy and mining investments under national legislation.

05

Environmental and Social Assessment for International Finance

Yozgat Boğazlıyan and Parmakören solar power plants

Preparation of Environmental and Social Due Diligence (ESDD) reports and Stakeholder Engagement Plans (SEP) in line with the IFC Performance Standards.

06

Technical Studies within Environmental and Social Impact Assessment

Armada solar plant and power transmission line project financed by Finance in Motion

Biodiversity field studies within the ESIA, and preparation of the biodiversity survey report and scoping report.



Hydrogeology · Water management · Modelling

Hydrogeological consultancy

Field investigations, aquifer testing and groundwater modelling for mining, infrastructure and building projects.



Hydrogeological consultancy

Field investigations, aquifer testing and groundwater modelling for mining, infrastructure and building projects.

MineWell Mühendislik Müşavirlik Ltd. Şti.

MineWell is a consultancy providing science- and engineering-based solutions in groundwater, hydrogeology and integrated water management.

We work in hydrogeology, basin-scale water management, water management at mine sites and integrated water-resources planning. By combining our scientific approach, multidisciplinary technical base and field experience, we produce sustainable solutions for water resources.

Our team of hydrogeology, geology, geophysics and environmental engineers provides services in basin-based hydrogeological modelling, groundwater flow analysis, water-quality assessment, contaminant-transport modelling and dewatering studies at mine sites.

MineWell is the engineering mind that sees water not merely as a resource, but as a fundamental system shaping the future.

Sectors

Mining · Infrastructure · Superstructure

Featured Work Areas

Examples from selected types of work.

Basin-scale hydrogeological studies

As a solution partner in projects of the General Directorate of State Hydraulic Works (DSİ)

Basin-scale hydrogeological system assessment, groundwater quality and quantity analyses, conceptual hydrogeological modelling and groundwater budget studies.

Hydrogeology and dewatering in mining projects

Hydrogeology consultancy for an international mining project

Hydrogeological modelling, groundwater inflow prediction, dewatering design and surface water management; technical supervision of field investigations.

Flood analysis and engineering hydrology

In projects of the Ministry of Culture and Tourism

Flood discharge calculations, engineering hydrology, hydrological modelling and hydraulic studies.

Leapfrog training and in-house training

Leapfrog 3D geological modelling training and in-house technical training.

Some of the Organisations We Work With

A selection of organisations we have worked with: public institutions, engineering firms and international organisations.



Logos are registered trademarks of the respective organisations.

Our Team and Quality Approach

Turning data into engineering knowledge, and engineering knowledge into sound, practical project decisions.

Multidisciplinary coordination

We combine hydrogeology, environment, geology, hydrology and mining work in a single project approach.

Field & engineering experience

We support our technical assessments with real field data, engineering analyses and modelling.

Basin and resource perspective

Where needed, we assess project-scale effects at basin and regional scale.

GIS and modelling capacity

We use spatial analyses and numerical modelling tools as an active part of technical decision-making.

Experience at home and abroad

We carry out our work in line with project requirements, national legislation and relevant international environmental and social standards.

Continuous technical support

We take part at different stages of a project, from field investigations to planning, from permitting to technical assessment and decision support.

Technical team

Our team brings together specialists experienced in basin management, water resources and groundwater assessments, environmental and social studies, mining and energy projects, flood and hydrological analyses, field investigations, modelling and technical reporting. Where needed, we collaborate with academics and specialist consultants.

Quality, health and safety, environment (QHSE)

We carry out all our activities according to the principles of quality, occupational health and safety, environmental responsibility and continuous improvement. The required expertise is brought together; where needed, a Project Manager oversees technical coordination, quality control, work programme and reporting.

Let’s Work Together

We would be glad to assess your project needs in water, the environment, hydrogeology, earth sciences, energy and mining together with you.

WELL GROUP

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