

DEMIRALP CLEANROOM TECHNOLOGIES



DEMİRALP
CLEAN ROOM TECHNOLOGIES

Company Profile

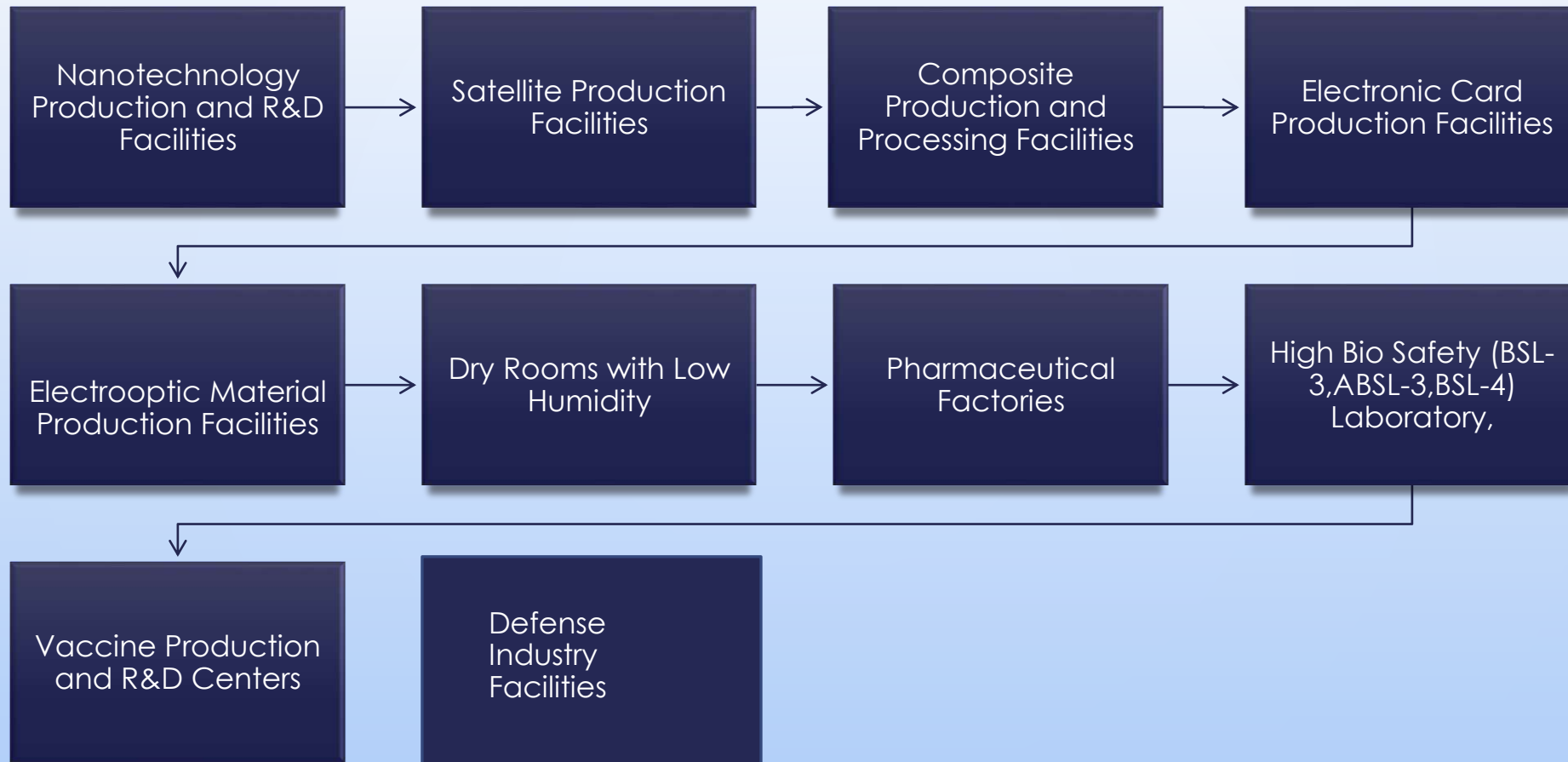
- Demiralp Cleanroom Construction Contracting Trade Company was established in the third quarter of 2007.
- The company is a turnkey Clean Room Contracting company.
- The company was established to perform CLEAN ROOM practices in accordance with International ISO 14644, European (VDI 2083, BS 5295) and American federal (FED 209 E) standards.



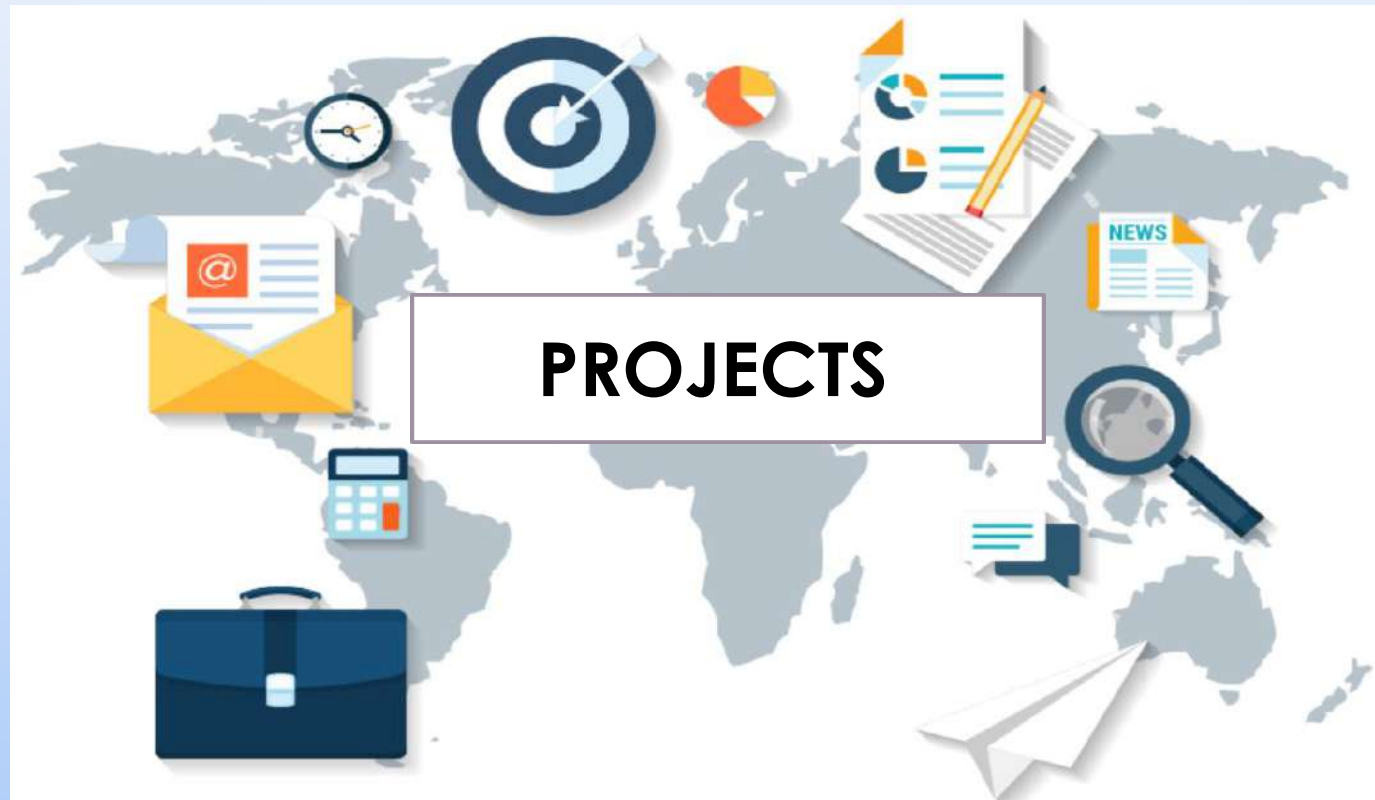
Fields of Activities

- Turnkey Electronic and Electro Optical Clean Room Applications
- Laboratories with Bio-Safety Level Clean Rooms. (BSL2/BSL3/ABSL3/ABSL-4)
- Laboratory and Pharmaceutical Factories with Clean Rooms in Compliance with GMP Standards
- Clean Room and Hygienic Air Conditioning Consultancy Services

Fields of Activities



Projects in which Demiralp Engineering participated



Vaccine Production and High Bio Safety (BSL-3,ABSL-3,BSL-4) Laboratories



ERCIYES UNIVERSITY VACCINE CENTER CLEAN ROOMS (BSL2/BSL3/ABSL3)

- Turkey's largest internationally accredited high biosafety vaccine center (All clean room)
- Turkey's first human vaccine studies are carried out in this center.
- In addition, a new type of coronavirus (Kovid-19) vaccine "TURKOVAC" was developed in Erciyes University Vaccine Center BSL-3 Laboratory.

ZERTIFIKAT • CERTIFICATE • CERTIFICADO • CERTIFICAT

Certificate

The Institute
KAYSERİ ERCİYES ÜNİVERSİTESİ
BSL 2 / BSL 3 / ABSL 3 LABORATUVARI

obtains for
the BSL 2-3 and ABSL 3 Compliance Certificate 2013 / 12 P.00 166-2012



TUV SUD herewith certifies
for the BSL 2-3 and ABSL 3 Laboratory of company
KAYSERİ ERCİYES ÜNİVERSİTESİ BSL2/BSL3/ABSL3 LABORATORY
compliance according to **WHO Laboratory biosafety manual, third edition,**
2004 standards.

By a BSL & ABSL compliance audit
the documented evidence has been approved,
that the above mentioned laboratory facilities are
in compliance with the mentioned standards.

This certificate is valid until 20.08.2014

İstanbul, 20.08.2013

TÜV SÜD

TÜV SÜD TÖK Yataoğlu Caddesi, No 17 Kat: 5, Esentepe, İstanbul



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Erciyes University Vaccine Center (ERÜ)

Thanks to the vaccination studies carried out in the BSL-2/BSL-3/ABSL-3 Laboratories in Erciyes University Vaccine Research and Development Center, for which we have made the commitment and International Certification according to the World Health Organization (WHO) norms, the CRIMEAN-CONGO HEMORRHAGIC FEVER (CCHF) vaccine has been found, Studies on humans have yielded successful results. The vaccine, patented in Turkey and Europe, will be offered to the market as soon as phase 2.3 studies are completed.



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G.ELIAVA MEDICAL CENTER GMP VACCINE PRODUCTION CENTER
(GEORGIA USA INSTITUTE - TBILISI)



ERCIYES UNIVERSITY BONE MARROW TRANSPLANT AND STEM CELL RESEARCH CENTER MECHANICAL WORKS



- The biggest bone marrow transplantation center of europa
- Transplantation can be made in 36 rooms at the same time.



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**MECHANICAL WORKS OF MOZAİK GYNECOLOGY AND
CHILDREN'S HOSPITAL**



BİLKENT HOLDING FELİSYA BIOMEDİKAL INC. CLEAN ROOMS



Bilkent Holding Felisya Biomedical A.Ş., an innovative biomedical company focused on public health, has developed a system called "Diagnovir" for the testing and diagnosis of the Kovid-19 virus by Turkish researchers. The clean rooms, where this nanotechnology-based system, which can diagnose Kovid-19 with 99 percent reliability in 10 seconds, was produced, was delivered in 2021.



BİLKENT HOLDING FELİSYA BIOMEDİKAL
INC. CLEAN ROOMS

LANSİNOH LABORATORIES

The clean rooms of Lansinoh, which has been one of the leading companies in the production of mother-baby products since 1984, were built by us in İzmir in 2022.

Lansinoh.



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Composite Production and Processing Facilities



YÜKSEL COMPOSITE INC. CLEANROOM



In the Composite Factory Clean Rooms of Yüksel Kompozit Inc., which is the largest facility investment of the private sector in its field, for which we have made the commitment, kompozit materials are produced for the defense industry.



YÜKSEL COMPOSITE INC. CLEANROOM



TÜBİTAK SAGE COMPOSITE TECHNOLOGIES DEVELOPMENT AND PRODUCTION CLEAN ROOM CONSTRUCTION WORK



In the institute, which provides research and development services for the defense industry, the composite materials used in the manufacture of rocket bodies are processed under Clean Room conditions. Clean Room was delivered in 2019.



MNG TECHNIC AIRCRAFT MAINTENANCE HANGAR CLEAN ROOM



ASES AVIATION CLEANROOMS

Marketing of industry and aviation projects to the public and private sectors of Turkey and the CIS Former Soviet Republics (Azerbaijan, Kazakhstan, Kyrgyzstan, Turkmenistan, Tajikistan and Uzbekistan), supply of capital goods to the private and public sector, promotion of foreign-Turkish joint investments in Turkey, and ASES aviation, which carries out activities related to the acquisition of other assets abroad, were built by us in 2021.





ASES AVIATION SERVICES AND SUPPORT INC.



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TEC(THY&PRATT&WHITNEY) COMPOSITE CLEANROOM

Turkish Engine Center; It was established in 2009 as a joint venture between Turkish Airlines and Pratt & Whitney, one of the world's leading aircraft engine manufacturers. The construction of TEC cleanrooms was carried out by us in Istanbul in 2022.





TEC (TURKISH ENGINE CENTER)

Satellite Production Facilities



TÜBİTAK SPACE SATELLITE PRODUCTION CENTER



Serious steps have been taken regarding 100% Domestic Satellite production with the productions made in the Tübitak Space Satellite Production Center Clean Rooms, which we have undertaken.







TÜBİTAK SPACE SATELLITE PRODUCTION CENTER



Nanotechnology Production and R&D Facilities



METU GÜNAM SOLAR ENERGY RESEARCH AND APPLICATION CENTER CLEAN ROOM



ODTÜ ARAŞTIRMA PARKI



METU RESEARCH PARK CLEAN ROOM PROJECT CONSULTANCY



ESEN IT UNMANNED AERIAL VEHICLE TEST ROOMS

Operating in the fields of Aerospace, Defense and Security, ESEN Bilişim Sistem Integrasyon was established in Ankara in February 2012 with the partnership of the US-based Sierra Nevada Corporation (SNC). The clean rooms where the tests of the unmanned aerial vehicle named GÖKHUN, produced by ESEN Bilişim, were carried out, were delivered in 2021.



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ESEN IT UNMANNED AERIAL VEHICLE TEST ROOMS



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 ESEN

TENMAK ATOM ENERGY INSTITUTION CLEANROOM

Turkish Energy, Nuclear and Mining Research Institute (TENMAK) was established in 2020 under the Ministry of Energy and Natural Resources. The Institution, which included the Turkish Atomic Energy Agency, the National Boron Research Institute and the Rare Earth Elements Research Institute; operates in the fields of energy, mining, ionizing radiation, particle accelerators and nuclear technology. TENMAK cleanrooms were realized in 2021 under the commitment of Demiralp Engineering.





TENMAK



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Dry Rooms with Low Humidity



PİLTEK ENERGY GENERATION AREA AND DRY ROOM



The Dry Room, for which we have made a commitment and which was built to produce batteries for ammunition, was the first Dry Room in Turkey to be built for a private sector company working for the Defense Industry.



PİLTEK ENERGY GENERATION AREA AND DRY ROOM

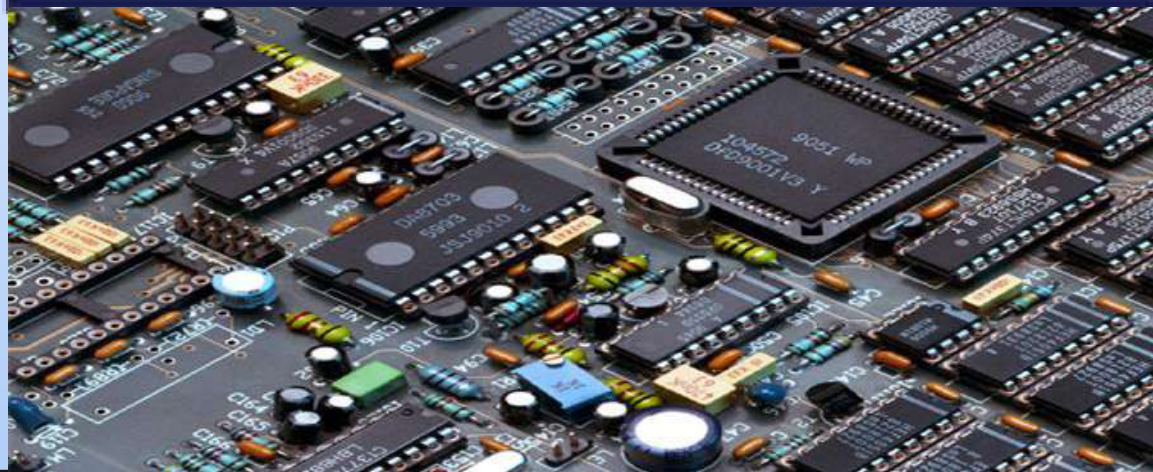


The Dry Room, of which we have made a commitment, has become the 4th Dry Room for battery production in Turkey.



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Electronic Card Production Facilities





ASELSAN AKYURT-1 B BLOCK ADDITIONAL BUILDING CLEAN ROOM

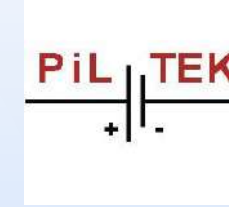


Electro-optic nanotechnological materials are manufactured in 600 m² Cleanrooms built under our commitment in the campus of Aselsan Akyurt Microelectronic Guidance and Electro-Optics Sector Presidency.





OUR REFERENCES



DEMİRALP
CLEAN ROOM TECHNOLOGIES

ANKARA CENTRAL OFFICE

CONTACT

ADRESS ;

İlkbahar Mah. Güneypark Küme Evler Sok. Sinpaş
Altınoran Kule K3 Blok Kat:6 No: 42 Çankaya/ Ankara

PHONE :

+90 312 472 26 45

E- MAIL:

info@demiralpmuhendislik.com

WEB:

www.demiralpmuhendislik.com



DEMİRALP
CLEAN ROOM TECHNOLOGIES

Adress:

Sahrayıcedit Mah. Atatürk Cad.

No:69 Kat.14 No:187 34734

Kadıköy / İstanbul

İstanbul Regional
Directorate



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Demiralp Temizoda Construction Contracting Trade Company was established in the third quarter of 2007. Demiralp is a turnkey Cleanroom Contracting company. In accordance with International Cleanroom Standards such as ISO 14644, DIN 1946/4, GMP, FDA; It is involved in the Health, Science and Research, Electronics, Defense and Aviation sectors, with Industrial Cleanroom Applications, Construction and Project Consultancy Services of Vaccine Laboratories. It has completed the construction of Europe's largest Bone Marrow Transplantation and Research Center, Turkey's first domestic communication satellite Türksat6A's Electronic Cards, and Cleanrooms, where the industry's leading company Aselsan produces Electrooptic materials.



Cleanrooms of the largest Composite Production facilities of the private sector in the Aviation Sector, Dry Rooms, which is the first in the private sector to produce LOX batteries for the Defense Industry, Vaccination Center with Internationally accredited BSL-2/BSL-3/ABSL-3 laboratories where international vaccination studies are carried out. , has specialized in many different fields in the sector by making the Cleanrooms of the center where R&D studies are carried out on Turkey's Solar Energy Research.

Demiralp most recently signed a representation agreement with Viessmann Cleanroom, one of the world's largest cleanroom companies.



BSL1,BSL2,BSL3 (Biosafety Level Laboratory)

What is BSL1; In laboratories of this level, it is possible to work with substances that are not risky for human health or that have a very low risk. There is no obligation to use special equipment or devices for the risk group.

What is BSL2; In addition, extra safety precautions and equipment are required. In Biosafety Level-2 (BSL-2) laboratories, work is carried out with substances that are moderate in terms of human health and have a low risk of spreading.

What is BSL3; Biosafety Level-2 (BSL-2) conditions apply in this level laboratories. In addition, there should be additional infrastructure, improved techniques and measures. BSL-3 laboratories are the laboratories where studies are carried out for microorganisms that are transmitted by air and carry a fatal risk.