





'You are the source of our quality'



"SER Engineering is 23 years old with
40 years of experience, 23 years of



 ASK ENGLISH VERSION
 СПРОСИТЕ РУССКАЯ ВЕРСИЯ

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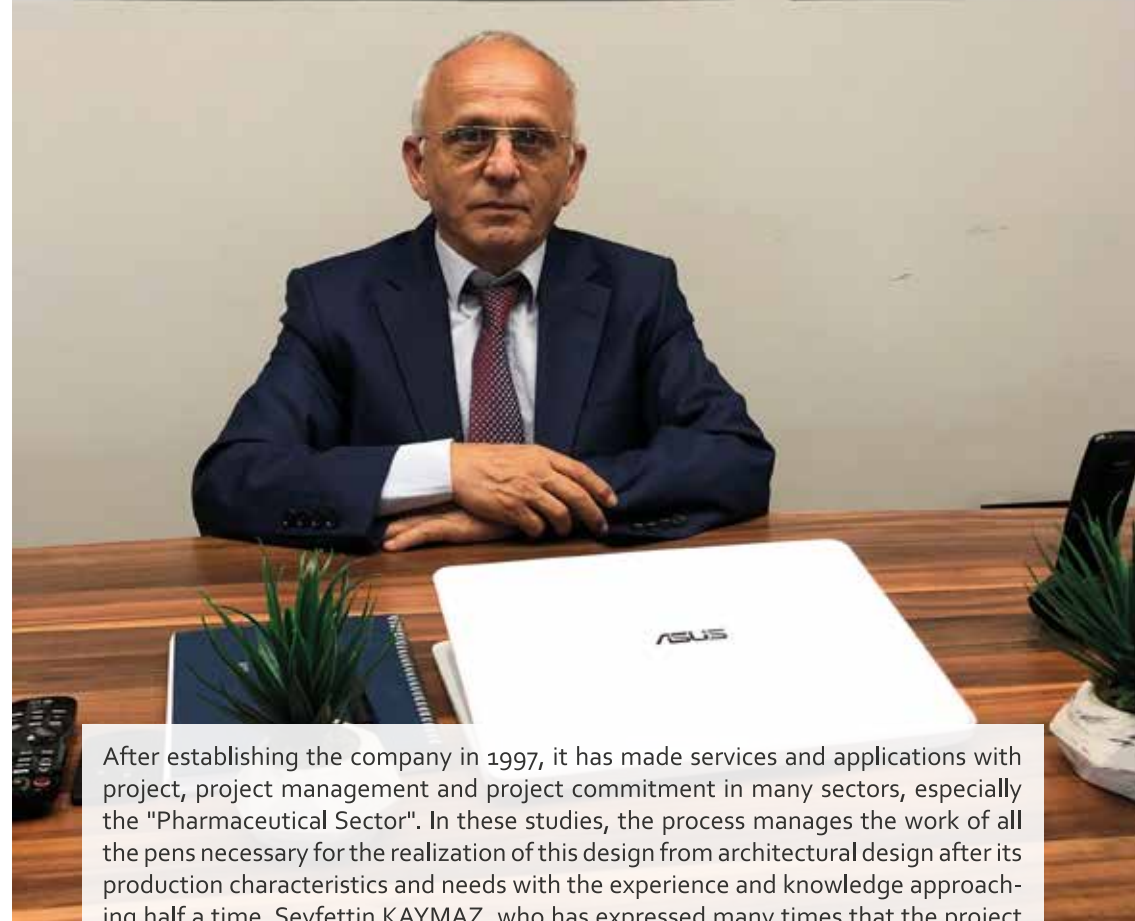
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After establishing the company in 1997, it has made services and applications with project, project management and project commitment in many sectors, especially the "Pharmaceutical Sector". In these studies, the process manages the work of all the pens necessary for the realization of this design from architectural design after its production characteristics and needs with the experience and knowledge approaching half a time. Seyfettin KAYMAZ, who has expressed many times that the project needs as much attention, control and need as a baby in the incubator, is very important to end the project as "shameless, impeccable and trouble-free", that these requirements were given to the project. Seyfettin Kaymaz, who also cares about all of this and the eligibility of budgets, is happy to finish his projects by starting smoothly with the investor.



COMPANY STORY

In 1997, Mr. Seyfettin KAYMAZ, our General Manager who has served and applied in all parts of the world and in all areas of the sector since 1980 before the establishment of the Company, has been one of the most resive names of the sector by signing numerous projects and services. He also used a lot of "*Now now it is now now*", and in 1997 it led to the development of the sector by pioneering many companies for the discovery of new designs and systems that will contribute to the sector, to establish companies and provide engineering services to the sector.

ABOUT US & VISION & VISION

ABOUT US

SER ENGINEERING TES. It's a building. Tah. San. Tic. LTD. STİ. Plan-Project, Commitment, Mechanical, Automation and Partition, such as business items, customer problems in the fastest time to produce solutions and customer satisfaction at the forefront, Since 1997, the drug industry has been offering its customers a robust and high quality service understanding with services such as "Sterile" and "Non Sterile" in clean rooms and clean rooms, clean rooms and clean rooms, clothing exchange rooms, offices, sink & showers and dining hall, all necessary systems and fields from design installation, half a century of experience and know-how with keykey or Project-Consulting services. SER, which has put forward a new dynamism in the clean room sector with its knowledge and experience for many years, is to work in intensive knowledge and discipline.



From 1997 to the present day with the slogan **"You are the source of our quality"** we serve you with our quality services and applications in numerous projects.

VISION

To reach our vision, we will follow new ideas, applications and technologies closely to continuously improve and increase the value and services of our company

MISSION

With our experience, quality and dynamism, we will be a company that produces new techniques and technologies in all subjects covering our field of activity by opening our service areas from good to much better and innovative and progressive structure to different participations.

CURRENT INFORMATION





"SER ENGINEERING" East Quarter
Aydınlı Road Street No:46/B
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We have a " Cleanroom Showroom "
in our office where the clean room,
Partition, Mechanics, Automation,
Laboratory furniture and HVAC sys-
tems are displayed in working con-
dition and is always open to all inter-
ested and customers' visits.



PLAN / PROJECT

SER ENGINEERING. INS. TAH. SINGING. TIC. LTD. Sti. Producing solutions to customer problems in the fastest time in work items such as Plan-Project, Contracting, Mechanics, Automation and Partition and keeping customer satisfaction in the foreground, since 1997, in the pharmaceutical industry "STERILE and "NON STERILE " areas "CLEAN ROOM " With the know-how and turn-key or project, project consultancy services with half a century of experience and know-how from the design of all necessary systems and areas such as warehouses, clothes changing rooms, offices, washbasin and showers and dining hall in the background of 'clean room'. offers its customers a solid and high quality service. Being aware of the fact that DQ-IQ-OQ and PQ processes should be managed very well at the basis of this service, DQ-IQ and OQ documents, namely how to manage the project, in accordance with the standards of organizations such as GMP and FDA, We conduct the management of the interpreted DQ architectural design and subsequently "URS" and "ROOMBOOK" and the important stages such as roles & responsibilities, testing, revision history, BMS and equipment control in the IQ document.



- Plan-Project
- Project Management
- Project-Commitment



This project was designed by Ser Mühendislik



After these stages, together with the employer, we are interpreting the design through the project and creating the final approved architectural project according to the URS. After the clarifying of this DQ architectural project, we begin the project work of the plant's mechanical, automation, electrical and partiiled pens according to the "URS" and "ROOMBOOK" work, and in the process we continue with the employer's approval in all business lines by keeping the employer in constant contact with the employer and keeping them up-to-date. We strive to fulfill all requests that are not necessarily required by the employer or the necessary system or equipment. In these studies, we end the project by knowing that the reciprocal dialogue is much more important than sentences such as "EMPLOYER DOES NOT WANT THIS", or "NO NEED TO ASK THIS", that questions that have not been discussed or mutually asked in the project, or any subsequent situation will be carried out in the IQ implementation phase by requiring much more time, cost and above all, and that this time will prolong the project installation final time.



PROJECT MANAGEMENT

Ser Engineering or 3. In the "CLEANROOM" projects drawn by a company, iq implementation commitment work 3. If done by companies, we offer the employer the option to serve as "Project Management". In this service, we are working to end the installation of the facility without any application contrary to GMP with our industry experience and KNOW-HOW approaching half a turn.

- Plan-Project
- Project Manegement
- Project Comminment



PROJECT COMMITMENT

We have been making our commitment since 1997 with all our efforts and energy in establishing the facility in accordance with the design in the Mechanical, Automation, Electricity, Partition and all other work items of the facility designed from the DQ project phase. Since we are also a project company while starting the commitment business, we inform the employer by making general requirements and design control for a short period of time so that the employer and our party can terminate the facility with less revisions during the IQ implementation phase of the commitment. Following this process, we start the installation by making the existing building controls, if any, through the approved projects and the business plan. We work with our employers during the installation process. We work for the complete and flawless delivery of all the works we have on us in the installation.

At this stage, we are moving forward knowing that a good auditor cannot always see more than she sees and that she will focus on invisible places.



While we make all our efforts to prevent the revisions, which are the biggest obstacle to the deadline and deadline during the IQ implementation phase, at the project DQ phase, we are making every effort to prevent the project deadline from being revised in the revisions. However, since revisions require very serious work and engineering time in implementation, project follow-up and documentation, we revise the revision budget and the revision period with the employer before the revision takes place, and then we apply it after revision acceptance by recording the revision history.

With the completion of the IQ installation phase, we continue to provide services to you whenever necessary during the licensing and certification stages of the facility by delivering your clean room or facility in accordance with GMP with validated documents.



MECHANICAL

- General Mechanical
- Water Systems
- Medical Gases

BMS & Hvac Automation
Electric
Partition (Clean room
Komp.)

Ground Applications
Production Infrastructure
Production Furniture

Laboratory Furniture
Common Areas
Validation





GENERAL MECHANICS



DQ projects designed during the project phase are all mechanical needs ventilation, heating-cooling, compressed air, clean, filthy, soft, pure, deionized and wfi, medical gases, quality and affordable products to meet our applications. At this stage, we do not allow any other work to be done by adhering to technical specifications, aware that the importance of craftsmanship as well as equipment will fall on places not seen in the clean room rather than the places where a good auditor is seen. We are moving forward in a follow-up and approved manner by conducting test commissioning operations at all stages of our applications.



- General Mechanics
- Water Systems
- Medical Gases

There is a lot of water needs in the clean room facility in production and other sections. Of course, there are many projects where the expected efficiency of the investment surged despite the very serious investments in the installation of the water system, which has control in the installation of the water system, which has much higher level control in the clean room as well as in all areas and departments. At this point, we design the installation of the system from hamto-deionize and WFI. Then we perform the installation perfectly complete and incomplete.

WATER SYSTEMS



- General Mechanics
- Water Systems
- Medical Gases

MEDICAL GASES



We do the application from station to mail to all medical gases in the production and r&d sections that the plant needs. We do this practice in a way that is dangerous, incomplete and incomplete by using methods such as diagnosing in our tests, conscious of what substance gas is.



- General Mechanics
- Water Systems
- Medical Gases

BMS & HVAC AUTOMATION

Aware that one of the most important points in cleanroom plant is the automation system, monitoring and controlling all mechanical systems in the facility, monitoring and recording of the temperature, humidity and difference pressure relationship in the rooms, showing hvac system warnings in odalardaki the area with visual tower lights and alanda providing buzzer alerts to ensure air conditioning plant flows, We apply the requests set in P&ID, which are meticulously determined during the project phase, in response to different options and requests such as filter pollution warning, VAV-CAV systems in the installation of fresh air and room pressures, to capture the set values of heating cooling systems.



ELECTRIC

We are working to establish the entire system in a controlled manner with providers such as transformers, generators and main distribution boards from weak current to strong current, emergency announcement systems to telephone-datalines, which are necessary to ensure all the requirements and conditions required for cleanrooms and general areas of use.





PARTITION



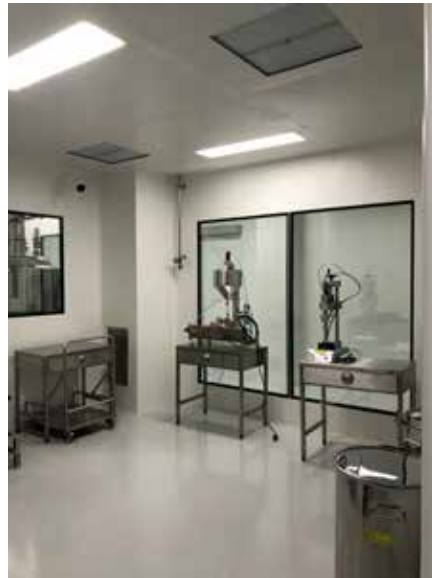
The most important application that appears together is the practice of partitioning, which is important in places not as seen as it appears in Cleanroom. Partitioning is the necessity of cleanroom in GMP, but it provides a very beautiful aesthetic appearance. It needs excellent workmanship to meet the production of partition materials and user needs, and if the workmanship is bad, the material will show the point that is directly bad. We are installation with impeccable workmanship with the quality of these highly costly goods. Our punctuality applications also apply world-class quality materials that meet all the needs of clean rooms such as HPL, Hair Panel, HPL ceiling, sheet ceiling, walkable ceiling, lighting fixtures 50mm-12mm glass, wing and automatic door, interlock systems, passbox, air shower, locker cabinets, jump sets.

APPLICATIONS OF THE FLOOR



In production or other areas, we select the most suitable ground material according to the use and other variable factors of the field, ensuring that all stages before and after the substance are performed in a controlled manner.





PRODUCTION INFRASTRUCTURE



After clean room installation, we offer solutions to meet all the electrical and mechanical requirements needed by the field production machines. When there is a problem with machine installation, we try to produce the fastest solution to prevent the plant from being able to go into production as soon as possible.



PRODUCTION MOBILES



It should be done in accordance with GMP at clean room entrances as clean as a clean room. We provide service with clean room meticulousness and design in the application of all areas serving clean room in the background of the clean room. We design and apply with many design options in materials such as cabinet, jump kit, slippers.

- Production Furniture
- Laboratory Furniture

LABORATORY FURNITURES



We serve you with many options with clean room and All furniture products designed for GMP, which are compact-laminate or derivative materials that you need in production, locker rooms or R&D. section



- Production Furniture
- Laboratory Furniture



We are establishing common areas such as cafeterias, wcs, sinks, showers and clothing exchange rooms, which are necessary for your staff working in the production and other reporting, licensing and sales of your facility, in a meticulous and principled lack and impeccable way in the installation of cleanrooms.

COMMON

A R E S



VALIDATION



We accompany the accredited independent validation company during their work during the validation phase, which determines whether the clean room is really clean room. We share our HVAC DQ-IQ-OQ documents to the validation company. We strive to solve any problems very quickly when encountered. At this stage, tests and reporting such as temperature humidity, difference pressure, room cycle counts, particle counting, DOP hepa leak test, air conditioning plant filtration verification heat mapping are carried out.



ENGINEERING
TOMORROW





Atabay Pharmaceuticals Inc. (Acibadem-Gebze) 1999-2013
UNITED KINGDOM

Project Design – Project Management - Project Commitment
Mechanical-Electrical-Automation-Partition Application
Antibiotic Production Area – Solid Production-Blister –
Pharmaceutical Raw Material– Infusion Area – Ware-
houses – Microbiology-Age Chemistry – Synthesis Lab



World Medicine Pharmaceuticals Inc. Bagcilar) 2017-2019
TURKEY

Project Design – Project Management - Project Commitment
Mechanical-Electrical-Automation-Partition Application
Blistering Area – Square Coding Area – Cold and
Finished Product Storage Areas – R&D and R&D
Areas, Age Chemistry and Instrumental Lab. – Clothing
Exchange Areas – Office – Cafeteria – Joint Uses



Osel Pharmaceuticals Inc. Beykoz) 2010-2020
UNITED KINGDOM

Project Design – Project Management - Project Commitment
Mechanical-Electrical-Automation-Partition Application
Serum Filling – Sampling – Findb Productio



Alvimedica Medical Products External Tic. Inc. (Çatalca) 2009
UNITED KINGDOM

Project Design – Project Management - Project Commitment
Mechanical-Electrical-Automation-Partition Application
Stent and Hose Sterile Production Area



My Farma Pharmaceuticals Inc. (Tuzla) 2013-2016
TURKEY

Project Design – Project Management - Project Commitment
Mechanical-Electrical-Automation-Partition Application
Bulb Filling Area – Solution Production – Solid Production-Ware-
house Area – Clothing Exchange Areas



Avis Pharmaceuticals Inc. 1-2 (Tuzla) 2012-2013
TURKEY

Project Design – Project Management - Project Commitment
Mechanical-Electrical-Automation-Partition Application
Sefelosfarin Production Area – Warehouse Area –
Laboratory-Clothing Exchange Areas -Antibiotic Produc-
tion Area-Warehouses – Clothing Exchange Areas



Reb-Pharma Inc., 2019-2020
BELARUS

Project Design – Project Management - Project Commitment
Mechanical-Electrical-Automation-Partition Application
Inhaler Production and Filling-Solution Preparation-Sec-
ondary Packaging-Warehouses-Sampling



Ufuk Kimya Pharmaceutical S Inc. (Umraniye-Hendek) 2019-2020
TURKEY

Project Design – Project Management - Project Commitment
Mechanical-Electrical-Automation-Partition Application
Dust Filling-Blister-Secondary Packaging-Raw Materi-
al-Packaging Warehouses- Microbiology Laboratory



PoliFarma Pharmaceuticals Inc. - 1 (Çatalca) 1996-1998
TURKEY

Project Design – Project Management - Project Commitment
Mechanical-Electrical-Automation-Partition Application
Serum Filling-Packaging Filling



T.C Kocaeli University (Umuttepe) 2013
TURKEY

Project Design – Project Management - Project Commitment
Mechanical-Electrical-Automation-Partition Application
TPN Cab application



Ti-Automotive (Nilufer) 2013
TURKEY

Project Design – Project Management - Project Commitment
Mechanical-Electrical-Automation-Partition- Application
Production of automotive components clean room area..



T.C.TMO General Directorate Inc. – Afyon Alkaloid Facilities
(Bolvadin) 2011 -2012
TURKEY

Project Design – Project Management - Project Commitment
Mechanical-Electrical-Automation-Partition Application
Extrusion Department Clean chamber Standardism



Mag-Pharm (Baku) 2001-2002
AZERBAIJAN

Project Design – Project Management - Project Commitment
Mechanical-Electrical-Automation-Partition Application
Solid Production Areas



DIVERSEY Kimya Co., Inc. (Gebze) 2020
TURKEY

Project Design – Project Management - Project Commitment
Mechanical- Partition application Application
Clean Room Production Area



Bio-Pharm Inc .Algeria) 2000-2001
ALGERIA

Project Design – Project Management - Project Commitment
Mechanical-Electrical-Automation-Partition Application
Solid Production - Laboratories



MGT Filter Inc. (Circassian) 2016
TURKEY

Project Design – Project Management - Project Commitment
Mechanical-Electrical-Automation-Partition Application
Filter Production Cleanroom Application

CONTACT - SOCIAL MEDIA INFORMATION



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<https://twitter.com/SerMuhendislik>



<https://www.instagram.com/sermuhendislik/>



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