



SUSTAINABLE ENVIRONMENT DEVELOPERS





Vision Statement

We strive to become an industry leader which is socially and environmentally responsible and incorporates creativity and research to develop technological solutions that are sustainable as well as financially rewarding for all stakeholders and the community.

From the CEO's Desk

In a rapidly changing technology driven environment, it is imperative to have technologically advance equipment for the industry, which is not only high-tech but energy efficient too.

As CEO of Sustainable Environment Developers (SED), it gives me great pleasure to share with you that after successfully providing energy efficient equipment to the sugar industry in Pakistan since 2005, SED is now all set to expand its environment friendly green solutions to other industries too.

As a trend setter, we are in a journey of continuous improvement, made possible by the sheer hardwork of a team of dedicated professionals which is the backbone of our company. With our experience and expertise in heat transfer, automation and project management, we are now focusing on developing energy efficient solutions and equipment that are vital for the survival and growth of the industry in Pakistan.

In the next five years, we will In sha Allah become a hub of innovative technological research and development. Quality, of course, will remain our paradigm. Our ultimate goal is to contribute as an innovative player, and contribute to the economic growth of our beloved country making it technologically independent. To achieve this goal, we are collaborating with leading universities and research centers too, thus reducing the gap between the industry and the academia.

Needless to add, that alone we won't be able to realize this dream. Hence, we need prayers, support and cooperation of our industry partners. I am hopeful that as a TEAM, together we will achieve more!

Muhammad Saad Masud
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About Us



Sustainable Environment Developers (SED), previously known as Spray Engineering Devices, is an ISO 9001:2015 certified, Pakistan based firm, providing high end energy conservation solutions, mechanical fabrication and erection services to the sugar and allied Industries since 2005. At SED, our motto and focus remains on Unleashing Excellence!

Over the years, SED has carved a niche for itself in the sugar industry, specializing in equipment which reduce steam consumption and lead to energy conservation. With our technically advanced equipment and specialized design, we have enabled our clients to reduce steam consumption from 55% to 35% on cane. Our automated condensing system collectively saves 15000 MW of electricity every crushing season.

To achieve these results we have a team of specialized engineers, technical staff and quality assurers, who look after each process related to manufacturing, fabrication, installation, commissioning and support of high tech equipment designed to improve energy efficiency of the industry. We also have a dedicated team for automation of equipment. We have implemented SCADA systems using various platforms and have the capacity to produce tailor made solutions as per client requirements. Currently, we are providing equipment and maintenance services to 63 sugar factories, across Pakistan.

Today after 17 years of successful operations in the sugar industry, we are all set to expand our horizon and serve a broader range of environment friendly products and services. Our workshop, located in Karachi, is fully equipped and capable of providing fabrication and installation of machinery, vessels, steel structure and steel piping for all types of manufacturing industries.

May Allah be our Guide and Protector!



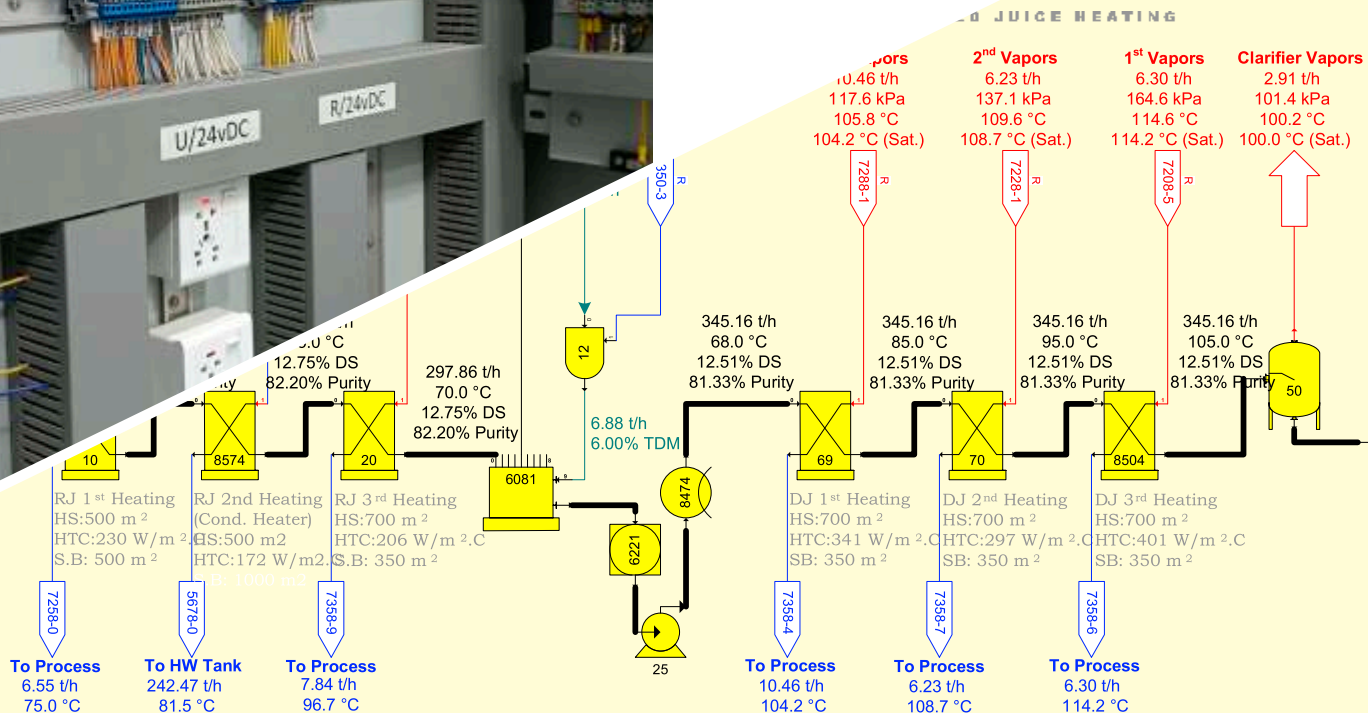
Specialized Divisions

Research & Development (R&D)

SED is distinguished by a strong focus on needs of the industry. Striving to meet increasingly complex process modifications as well as offering proven and reliable solutions. Our continuous investment in research and development enables us to deliver standard setting solutions across the industry.

Process & Project Management

SED has a team of Chemical Engineers headed by Industry's most experienced Sugar Technologist. Engineering information developed with years of experience for project use has become an important strategic asset for SED. Thus providing, improved project execution through best-of-class project delivery and management solutions (e.g., materials and project controls) that effectively use engineering information.



Instrumentation & Automation Division

Our instrumentation and automation wing is fully responsible for maintaining maximum efficiency of the equipment / process to increase the performance of the system by taking care of the process fluctuations & monitoring field parameters. We provide services like application software development, detailed automation project planning, engineering & execution, design and supply of electrical & automation systems, instrument selection, procurement, testing, inspection & maintenance etc.



Process Design & Engineering

SED has unparalleled expertise in providing effective and reliable solutions to the process industry. Our team of highly skilled & committed process engineers are capable of designing energy efficient processes, mass and energy balance calculation, preparation of P&IDs, thermal designing & sizing of heat transfer equipment and process simulation & optimization etc.

Trouble Shooting & Servicing

SED has an excellent trouble shooting and servicing division, which is available online 24x7 and offers extensive after-sales service, which is maintained throughout the life cycle of our installed machinery and equipment.

The benefits for our customers are enhanced with availability of higher efficiency and safety through reliable assistance with all problems including maintenance and repair. Our highly qualified expert staffs provide the necessary assistance wherever they may be needed.

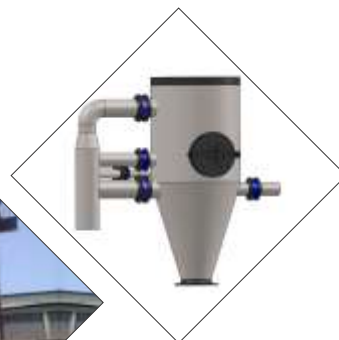


Strategic Alliances



“ Blending of the best ... pioneering
successful technological innovations ”

Product: Process House Equipment
Status: Licensed Manufacturer



Product: Complete Range of Valves
& Actuators
Status: Reseller / Distributor
Origin: United Kingdom



Product: Motors & VFDs
Origin: Germany



Product: H₂S Removal System
Status: Authorised Reseller
Origin: Switzerland

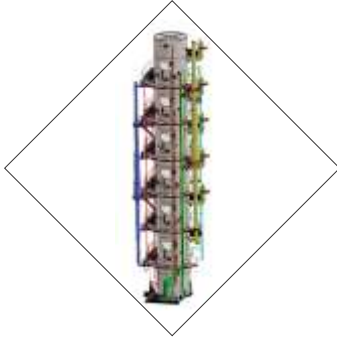
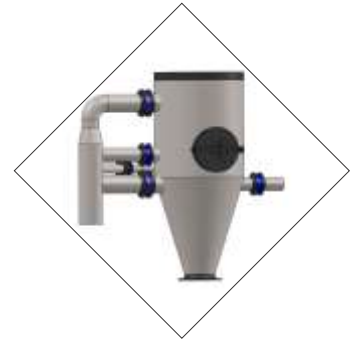
Specialized Products



Automated Condensers

Installed Units: 976

Sugar Clients: 63



Spray Continuous Pan

Installed Units: 03

Sugar Clients: Ranipur Sugar Mills
Faran Sugar Mills

Falling Film Evaporators

Installed Units: 14

Capacity Installed: 57,000m²

Sugar Clients: 08



Molasses Conditioners

Installed Units: 93

Sugar Clients: 22

Spray Pond Solutions

Installed Units: 3170

Sugar Clients: 26

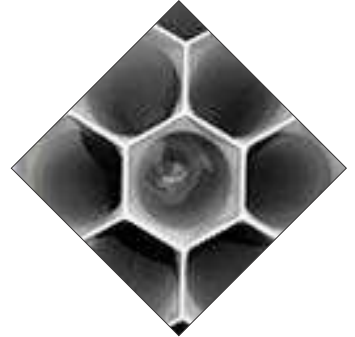




Bio Gas Generation & H₂S Removal System



Honey Comb Calendria



Tobacco Barn Automation



Water Recycling Unit



Jaggery Plant



SED Clients

Faran Sugar Mills
Pakistan Tobacco Company
Hamza Sugar Mills
Mirpurkhas Sugar Mills
Al Noor Sugar Mills
JDW Sugar Mills
Habib Sugar Mills
Ramzan Sugar Mills
Layyah Sugar Mills
Madina Sugar Mills
Ranipur Sugar Mills
Mehran Sugar Mills
Matiari Sugar Mills
Dewan Sugar Mills
Deharki Sugar Mills
Abdullah Shah Ghazi Sugar Mills
JK Sugar Mills-I
Etihad Sugar Mills
JDW - II (United) Sugar Mills
Al Moiz Sugar Mills
Al Abbas Sugar Mills
Ghotki Sugar Mills
Chanar Sugar Mills
Ashraf Sugar Mills
Jauharabad Sugar Mills
Mianwali Power
Sheikhoo Sugar Mills
Sind Abadgar's Sugar Mills
Alliance Sugar Mills Pvt. Ltd.
RYK Mills Limited
JK Sugar Mills-2
Sanghar Sugar Mills
Noon Sugar Mills
Khoski Sugar Mills
Fatima Sugar Mills
Brothers Sugar Mills
Bawany Sugar Mills
Hussain Sugar Mills
Pattoki Sugar Mills
Khairpur Sugar Mills
Adam Sugar Mills
Ittefaq Sugar Mills
Tando Allah Yar Sugar Mills
Pangrio Sugar Mills
Colony Sugar Mills
G-Sumundri Sugar Mills
Shahmurad Sugar Mills
Chaudhry Sugar Mills
Kashmir Sugar Mills
Colony Sugar Mills - Mian Chunnu
Chambar Sugar Mills
Popular Sugar
Zamund Sugar Mills
Hunza Sugar Mills
Rehman Hajra Sugar Mills
Kiran Sugar
2 Star Industries (Kamalia)
Al Arabia Sugar Mills
Huda Sugar Mills
SGM Sugar Mills
Safina Sugar Mills
Indus Sugar Mills
Pasrur Sugar Mills



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The SED Family





SUSTAINABLE ENVIRONMENT DEVELOPERS

(Formerly Spray Engineering Devices)

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