





A man filled up with the patience to learn, train, tolerate, discover, and innovate to improve living.

Dr. Asif Riaz, CEO, NBS Inc. Islamabad

learn, train, ate to improve living.

It was laid by a person ag a PhD in Analytical and Nano Technology. He, economist, applied the unger brother Mr Munsif The financial constraints, at market situations did

The learned and applied ministrating NBS.

Asif Riaz, the NBS team emediation facilities for designed with the and NBS people involved the produced water of the serve the sick waters. The establishment of Nano Bio-Solution was not accidental; it was laid by a person who has comprehensive knowledge about the subject, having a PhD in Analytical Laser Chemistry, Post Docs in Bio-engineering, StemCells, and Nano Technology. He, accompanied by his elder brothers Mr Yousaf Riaz being an economist, applied the concept of Bio-remediation first time in Pakistan, and his younger brother Mr Munsif Riaz having the capabilities to work in the field and market. The financial constraints, tough and the least preference for the wastewater treatment market situations did not allow other colleagues to move along.

Commitment to Keep Water Clean

- enhanced capacities: Being a specialist in natural sciences, he learned and applied best governing practices in financial management and administrating NBS.
- urban bio-remediatoin model: Under the leadership of Dr Asif Riaz, the NBS team designed, executed, developed and operationalized Bio-remediation facilities for used-water treatment.
- bio-remediation of produced water: Dr Asif Riaz, CEO, NBS, designed with the association of the researchers from national universities and NBS people involved in R&D. The project executed resolving the issue to manage the produced water of petroleum industry with the Bio-remediation applications.



Let's invent tomorrow rather than worrying about what happened yesterday"



shielded his brothers

to execute projects for the survival of sick waters

Mr. Munsif Riaz, Integration Manager, NBS

A person who stood up with his brothers, family and friends till the last day of his life, supporting biological helpers (microbes, aquatic plants, biological engineering, etc.) to rehabilitate the health of sick waters.

NBS, Family and Friends' Bio-remediation Hero & Martyr

Mr. Munsif Riaz (1973-2020)

When the financial resources dried up during the local business dynamics learning phase, Mr Munsif gave his best to survive NBS. He did not notice or get worried when the financial prosperity partners left NBS in the middle of the road.

He spent a lot of time in the field managing workers to complete the project in time-most of the clients pushing NBS to complete the project as early as possible, but some of them could not pay in time.

He managed with Dr Asif Riaz to face the disgraceful pressures of private short term lenders. Sometimes the money borrowed from private lenders on high-interest rates to manage the projects

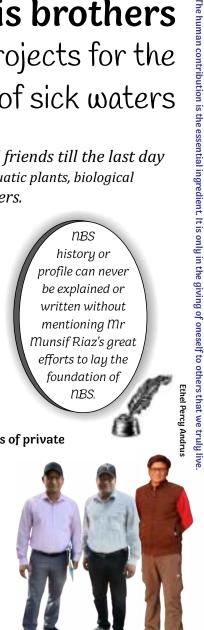
completions.

We are thankful to God for his life and time with us to save many people from the harmful effects of contaminated waters.

A hero is someone who has given his / her life to something bigger than oneself.

Joseph Campbell

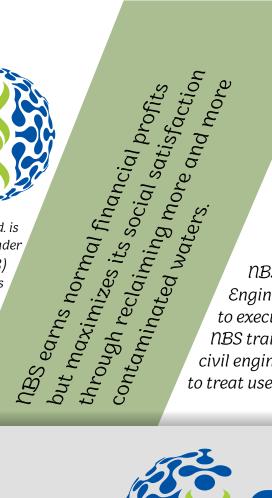








NBS (Pvt) Ltd. is registered under Section 2(68) of Companies Act, 2013.





NBS is registered with
Engineering Council of Pakistan
to execute civil engineering works.
NBS trains its engineers to integrate
civil engineering to bio-engineering
to treat used-water for re-use.





R & D Based Company

NBS associated with various national and international research organizations to move

forward discovering nature's ways and guidance to rehabilitate human polluted waters. NBS has a small water quality testing lab. NBS has treatment facilities in different climatic zones of Pakistan and carries out research with local researchers.



200 200 projects completed



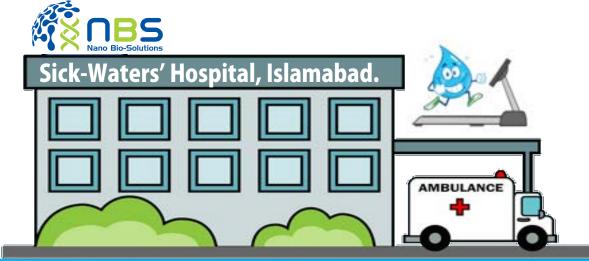
NBS developed its staff's capacities to care for and treat used-water professionally. NBS provides services to its clients, establishing treatment facilities efficient and cost-effective to reclaim their used-water for reuse.

Pre-assessment

NBS provides the pre-assessment options for the establishment of used-water treatment facilities. The pre-assessment includes to checking the suggested site, availability of land for the facility and contamination level of used-water. It is free of cost for the clients in Islamabad/Rawalpindi. In case of availing these services in other cities, the clients have to bear the expenses of the visits.

Treatment Options

After the pre-assessment of the site, NBS technical team proposes viable options to establish used-water treatment facilities. NBS prefers to select all facilities with Nature Based-Solutions, e.g., Bio-remediation. If there is less land, then hybrid solutions are sorted out using bio-remediation applications and mechanical solutions.



Setter Investment In Water Reclamation

NBS is a pioneer company investing in used-water rehabilitation through Nature-based Solutions for re-use. The step taken in this arena was risky without a lucrative demand for the services of contaminated water treatment. The credit goes to the founders of the organization, which is more objective-oriented and less profit-motivated.

NBS Marketed Bio-remediation, Nature-based Solution

nBS invested significant financial resources and human energies to introduce the economical and sustainable solution to treat human polluted water for re-use. It took about seven years of painstaking efforts to achieve acceptance of the concept. The first few projects could not raise any financial reserves rather mounted debt on NBS. NBS governance remained loyal to the cause and did not lose the consistency. NBS has a good reputation in the market to have many small, medium, and large projects.

NBS Builds Civil Engineers' Capacities in Bio-remediation Engineering

NBS conducts on-the-job training events for civil engineers to build their capacities to design and execute and monitor the construction process of Bio-remediation Facilities. It also includes imparting training to potential contractors to be part of NBS constructions.

NBS Creates Investment Opportunities

NBS creates business opportunities for the investors to get benefits with NBS medium and large projects. NBS aims at setting the trend to enhance invest in the water business sector.

NBS Franchise Facilitatoin Centers

NBS plans in the near future to open franchise facilitation centers in provinces and divisions with the cooperation of qualified and trained organizations about the Bio-remediation Concept..



Sardar Memorial Ecological Solutions Trust

Non-Profit Investment in Water Reclamation



Volunteer activities to harvest water for Re-use

**MBS Corporate Social Responsibility (CSR) wing works for the neglected communities having issues of used-water management. SMET gets financial mobilization from NBS dedicated funds. SMET also raises financial resources and technical support from individuals, organizations, and public sector institutes.

Most of the issues of water use and used-water management relate to wrong information or inadequate information.

SMET facilitates local and international Bio-remediation researchers to work on NBS Bio-remediation facilities to improve and discover more cost-effective Biological applications.

igwedge SMET management focuses on the social issues of water use and management.

SMET organizes awareness events to inform people about the reality of the natural water cycle and humans' responsibilities to keep sustainable availability of clean water for all. It also includes the production of awareness publications, short video clips, and public talks.

SMET raises funds to construct Bio-remediation treatment facilities for the neglected communities having a negative impact of polluted water on their living.

SMET Supports the people of low-lying areas to work with SMET technical team to raise funds for keeping their places healthy to live. SMET encourages individuals and organizations to dedicate some resources for the marginalized communities to live better.



Slovakian Proverb









Renaissance Developers preferred to initiate Nature's ways to treat the used-water of River Gardens Society through Bio-remediation.





The project concept was shared with the River Gardens Society Members; Dr. Muhammad Ashraf, Chairman, PCRWR, as a society member, also participated in the meeting and gave his views about the Bio-remediation application.

Mr. Rizwan Major (Retd), Managing Director, Renaissance Developers, and Retired Brigadier Javeed (Technical Director RD) and Chief Engineer Mr. Shahid Ahmed visited the underconstruction Bio-remediation site for monitoring and supporting the venture.

Development (NGOs & INGOs)

NBS facilitated the development organizations to achieve their community uplift programs by improving water quality and trained people in sustainable agricultural practices.























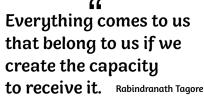
Petroleum Industry



NBS has a close collaboration with the companies working for oil and gas exploration.

NBS designed Bio-remediation facilities to treat effluents according to their suitability.

Dr. Asif Riaz, CEO, NBS, capitalized on his strong chemistry and bio-engineering side to develop customized Bio-remediation design to treat effluents under NQES.



NBS has a liaison with national and international organizations working in the field and involved in R&D of oil and gas.

Currently, NBS has executed and completed two projects with MOL Pakistan to treat the used water of the residential areas and offices.

One Bio-remediation application facility developed at Tulang Processing Facility (TFP) of MOL Pakistan at village Tulang, district Kohat. This facility treats (???? gallons per day), and the Bio-remediated water under NEQS is used to irrigate the green areas of the Tulang Processing Facility of MOL. The second MOL Pakistan effluent treatment facility through Bio-remediation application developed at Central Processing Facility (CPF), Karak. This Bio-remediation facility treats (??? per day). The treated water under NEQS is used for irrigation of green areas.

NBS is also working with Polish Oil and Gas company and

executed Bio-remediation project to treat used water for re-use at their plant at the district Dadu. This facility is also completed and handed over to POG the plant

Biological Ways to Treat & Manage Produced Water

Produced water is a term used in the oil industry to describe water that is produced as a byproduct during the extraction of oil and natural gas.

NBS executed an R&D project with MOL Pakistan to find natural ways to treat and manage produced water through the combination of microbial consortia and salt-tolerant plants; it includes both Aquatic & Terrestrial Plants. Dr. Asif Riaz, CEO, NBS, designed the project and executed it with senior researchers and students from national universities and experienced practitioners.







