



Background

In fact, our journey began well before this incorporation in the Joint Stock Companies & Firms of Bangladesh. The activities started through operating under the same name, WasteSafe, as a project based research initiatives to address the Municipal Solid Waste problems in the Least Developed Asian Countries considering six case study sites in Bangladesh and one in Nepal in **April 2004**. WasteSafe and its Team Members actively involved in research projects, workshops, seminar, symposium and publications domains since 2004, with a proven track record in conducting high-impact research, delivering client projects, and developing innovative solutions in the areas of Solid Waste Management, Faecal Sludge Management and Integrated Wastewater Management through the building of strong partnership with the reputed research, academic, professional and developing organizations from home and abroad.

With our new status as a Limited Company in Bangladesh, we aim to scale our efforts, formalize our partnerships, and expand our impact, while continuing to uphold the legacy of excellence we have built over the years.

Before incorporation as a Limited Company, WasteSafe Environmental Limited has been operated as a research group known as 'WasteSafe' since 2004. Some of the notable works of WasteSafe Group are highlighted in the followings:



Photo: Discussion with the representative of European Commission on WasteSafe.



Photo: Experts visited the municipal solid waste disposal site at Khulna, Bangladesh.

- **April 2004 to April 2005:** Successfully completed the research project entitled as “Integrated Management and Safe Disposal of Municipal Solid Wastes in Least Developed Asian Countries (WasteSafe)”, co-financed by Asia Pro Eco Programme of the European Commission of Asia-Pro-Eco Project No. ASI/B7-301/2598/16-2004/79010 during the period of April 2004 to April 2005 (12 months). This is a 12 months feasibility study projects where in-depth survey was conducted in six major cities of Bangladesh (Dhaka, Chattogram, Khulna, Rajshahi, Sylhet & Barisal) and the capital city (Kathmandu) of Nepal. This consortium comprised as Khulna University of Engineering & Technology (KUET), Bangladesh; Prodipan, NGO, Bangladesh; Tribhuvan University, Nepal; Asian Institute of Technology, Thailand; Karlsruhe University, Germany and University of Leeds, UK.



Photo: Pictorial view of Demo Compost Plant at Khulna, Bangladesh.



Photo: Pictorial view of Lysimeter Test Set-up at KUET Campus, Khulna, Bangladesh.

- January 2007 to December 2009:** Successfully completed the research project entitled as “Safe and Sustainable Management of Municipal Solid Waste in Bangladesh through the Practical Application of WasteSafe Proposal (**WasteSafe II**)”, co-financed by Asia Pro Eco Programme of the European Commission of Asia-Pro-Eco Project No. ASIE/2006/122-432 during the period of 2007 to 2009 (36 months). This is a 36 months demonstration project where WasteSafe Approach was implemented and evaluated in six major cities of Bangladesh (Dhaka, Chattogram, Khulna, Rajshahi, Sylhet & Barisal) and the capital city (Kathmandu) of Nepal. This consortium comprised as Khulna University of Engineering & Technology (KUET), Bangladesh; Bauhaus University Weimar, Germany; Khulna City Corporation, Bangladesh; Asian Institute of Technology, Thailand; Lublin University of Technology, Poland and Bauhaus International Research & Education Center, Germany.



Photo: Discussion on people perception on MSWM through stakeholders’ dialogue.

- **January 2009 to June 2011:** Successfully completed the research project entitled as “Integrated Sustainable Solid Waste Management in Asia (ISSOWAMA)”, co-financed by Seventh Framework Programme of European Commission, No. 211873, during the period of January 2009 to June 2011 (30 months). This is a network enlargement project based on the identification of solid waste management scenario in Asia. This consortium comprised of 23 partners from Asia and Europe having Verein zur Förderung des Technologie transfers an der Hochschule Bremerhaven e. V., Germany as the Leader. Here, KUET was acted as a Partner.

- **January 2014 to December 2017:** Successfully completed the research and demonstration project entitled as “Demonstration of pro-poor market-based solutions for fecal sludge management in urban centres of Southern Bangladesh” during the period of 2014 to 2017 (48 months) funded by Bill & Melinda Gates Foundation and DFID. This consortium comprised as Khulna City Corporation, Bangladesh; Khukna Water Supply and Sewerage Authority, Bangladesh, Khulna University, Bangladesh; Khulna University of Engineering & Technology, Bangladesh, WaterAid Bangladesh and SNV Bangladesh.

- **May 2022 to August 2024:** Successfully completed the commitment to be involved in the research & demonstration project entitled as “Sustainable Capacity building to reduce Irreversible Pollution by Plastics – shortly known as SCIP Plastics Project” for the duration of May 2022 to December 2025. The project is funded by the German Federal Ministry for the Environment, Nature Conservation, Nuclear Safety and Consumer Protection This consortium comprised of Bauhaus-Universität Weimar (BUW), Germany; Khulna University of Engineering & Technology, Bangladesh; Chattogram University of Engineering & Technology, Bangladesh; Khulna City Corporation, Bangladesh and Institute of Social & Ecological Research, Germany.

- **2013, 2022 – Development of Waste Management Master Plan for KUET and KU:** **WasteSafe group was involved for the** Development of Waste Management Master Plan at KUET Campus in 2013 and for Khulna University in 2022 based on the proven record of success of WasteSafe concept implemented in KUET. The model was applied successfully in both the campuses and improve the campus cleanliness in a stage that KUET’s campus has been recognized as the cleanest campus of Bangladesh (2013 to 2018). Moreover, “Green Watchman’ concept introduced at KUET campus showed its success and relevance. Later this concept was implemented at KU campus.

- **2007-2009: Pilot Scale sanitary Landfill, Lysimeter Test and Demo Compost Plant:** Directly involved in the design, construction, operation and monitoring in the first ever Pilot Scale Sanitary Landfill constructed in Khulna Bangladesh (2007-2009) at the Rajbandh Ultimate waste disposal site, termed as crude open dumping. Local materials used at landfill was evaluated through a lysimeter test cell constructed at KUET campus. A demo compost plant was also established at Khalispur, Khulna with the collaboration of local NGO – SAMADAN in its site. In these two cases, local materials and the traditional construction techniques have been used. Some innovative approaches were also used to avoid impact of pollution from particulate materials. These two demonstration projects have been proved as a successful implementation of WasteSafe approach.



Photo: Field visit by EC Delegation at the site of Pilot scale sanitary landfill.

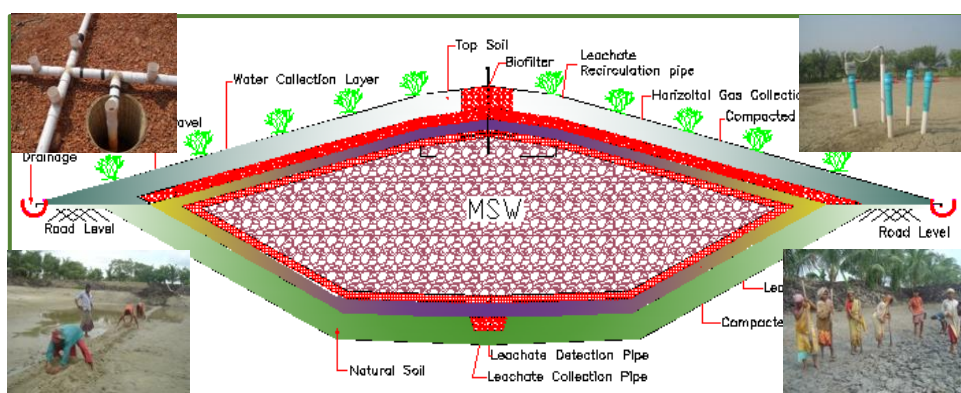


Photo: Schematic diagram of pilot scale sanitary landfill & photos of construction.



Photo: A part of WasteSafe Team standing on the completed base of landfill.

- **2007-2009: Awareness Program:** During this period, as a part of awareness program, WasteSafe Team Organized Street Drama, Art competition, design leaflet stakeholder's dialogue and Mass awareness Campaign through rally for the implementation of appropriate solid waste management in Khulna as proposed in the WasteSafe approach. The undergraduate students of civil engineering department of KUET participated in the door-to-door awareness campaign through the distribution of leaflets.



Photo: Some snapshots of awareness program: drama, commitment & rally.



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পরিচ্ছন্ন, স্বাস্থ্যকর ও পরিবেশ বান্ধব খুলনা শহর গড়ার লক্ষ্যে আসুন
সুষ্ঠ, নিরাপদ ও টেকসই পৌর বর্জ্য ব্যবস্থাপনা গড়ে তুলি

WasteSafe II Project is Conducting by KUET (Bangladesh) with close co-operation of KCC (Bangladesh), BUW & BIREC (Germany), ANT (Thailand) and LUT (Poland). Financed by EU-Asia Pro Eco II Programme of the European Commission.

Photo: Awareness program of MSW management through art competition.



Photo: A pictorial view of the completed faecal sludge treatment of KCC, Khulna.

- **2014-2017: Faecal Sludge Treatment Plant:** Directly involved on the design, construction, supervision and monitoring of Faecal Sludge treatment Plant at Khulna (2014-2017) as a part of project SNV Bangladesh coordinated project implemented by KCC. This plant was constructed on the top of the pilot scale sanitary landfill at Rajbandh, KCC's ultimate waste disposal site, constructed by the WasteSafe group as an important component of WasteSafe II project (2007-2009).

- **2005-2009: Seminar and Workshops:** WasteSafe group Organized Stakeholders' Dialogue at Dhaka and Khulna, National Seminar at KUET, Khulna on February 2008. More importantly, six Workshops on solid waste management in six city corporations of Bangladesh, Dhaka, Chattogram, Khulna, Rajshahi, Sylhet and Barisal during the period of January 28 to February 08, 2009 to demonstrate various aspects required for appropriate management of Municipal Solid Wastes among the relevant stakeholders including policy makers. The involvement of local authority is very important for the success of any adopted waste management approach.

- **2009-2025: WasteSafe International Conference:** **WasteSafe 2009** – the International Conference on Solid Waste Management was organized in 9-10 November 2009 at Khulna, Bangladesh to unfold the research findings of young researchers from home and abroad as conducting research in the academic and research institutes and works professionally at various levels and positions. The success of WasteSafe 2009, encouraged the organizer to continue such activities in Bangladesh in every odd year in a particular period beyond the project period. To materialize such attempt, the next WasteSafe conferences i.e. WasteSafe 2011 to WasteSafe 2025 were held in the year 2011, 2013, 2015, 2017, 2019, 2021, 2023 and 2025. The conferences created a hub of knowledge by encouraging young researchers in the field of waste management. It also created a platform while the new researchers can come in close contact with the world renowned scientists, researchers, professionals and academicians to exchange views, ideas and research findings. The next edition of this conference i.e. **WasteSafe 2027** – the 10th International Conference on Sustainable Solutions for Waste Management in Developing Countries will be held in Dhaka, Bangladesh on 01-02 February 2027. All the informations of the conducted conferences from 2009 to 2025 are available in the

website: <https://conference.wastesafe.info>.