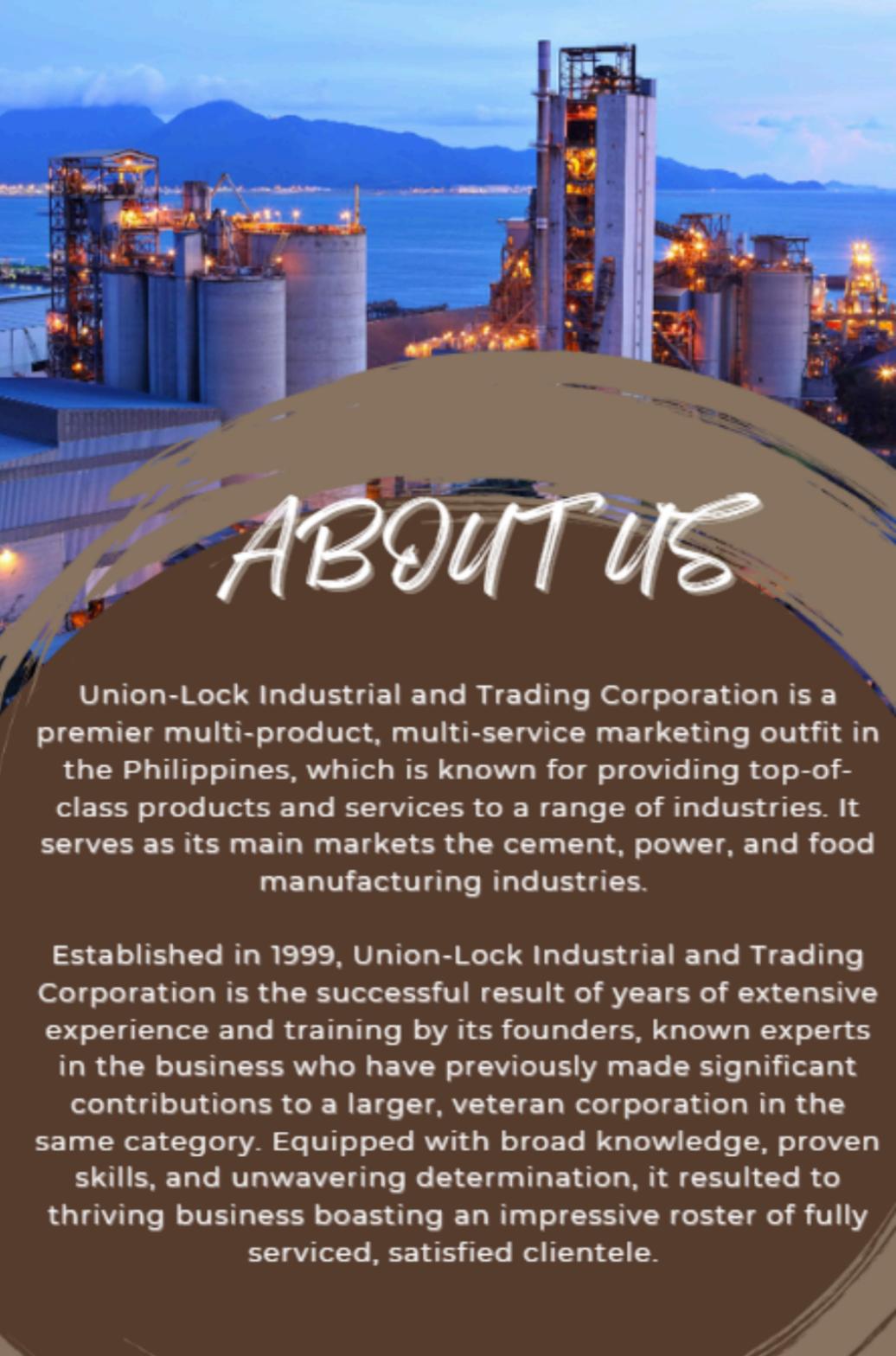


UNION LOCK



SIL
CLEANING

A photograph of an industrial facility, likely a refinery or power plant, at dusk. The scene is illuminated by warm, golden lights from the facility's structures, contrasting with the cool blue tones of the twilight sky and the dark silhouettes of mountains in the background. The facility features several large cylindrical storage tanks, tall distillation columns, and a complex network of pipes and scaffolding. The overall atmosphere is one of industrial activity and modern infrastructure.

ABOUT US

Union-Lock Industrial and Trading Corporation is a premier multi-product, multi-service marketing outfit in the Philippines, which is known for providing top-of-class products and services to a range of industries. It serves as its main markets the cement, power, and food manufacturing industries.

Established in 1999, Union-Lock Industrial and Trading Corporation is the successful result of years of extensive experience and training by its founders, known experts in the business who have previously made significant contributions to a larger, veteran corporation in the same category. Equipped with broad knowledge, proven skills, and unwavering determination, it resulted to thriving business boasting an impressive roster of fully serviced, satisfied clientele.

UNION LOCK

The strength of Union-Lock Industrial and Trading Corporation further lies in effective distribution and product quality that has met the most stringent standards worldwide. Sourcing is enhanced by tapping strategic parts of Europe and Asia.

Today, Union-Lock Industrial and Trading Corporation is highly regarded as a key player in the industry. It offers customers an all-encompassing integrated expertise that can meet specific needs and goals as well as ensure complete and personalized service.



Partnership with Cardox International Ltd.

Union-Lock is the authorized distributor of Cardox International Limited (UK) in the Philippines.

Cardox International Limited is the original manufacturer of the CARDOX DECCLOGGING SYSTEM which is the one applied by Union-Lock Industrial & Trading Corporation in Silo Cleaning Services.

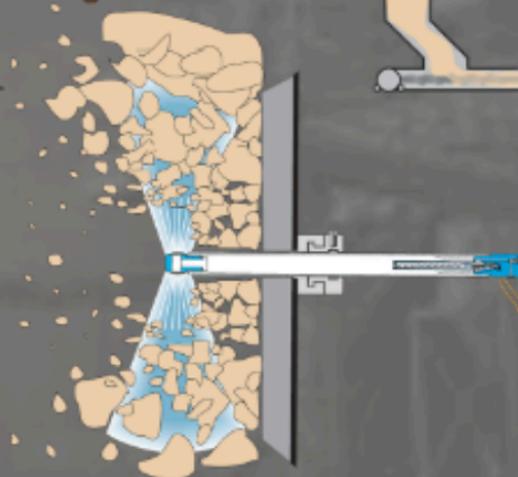


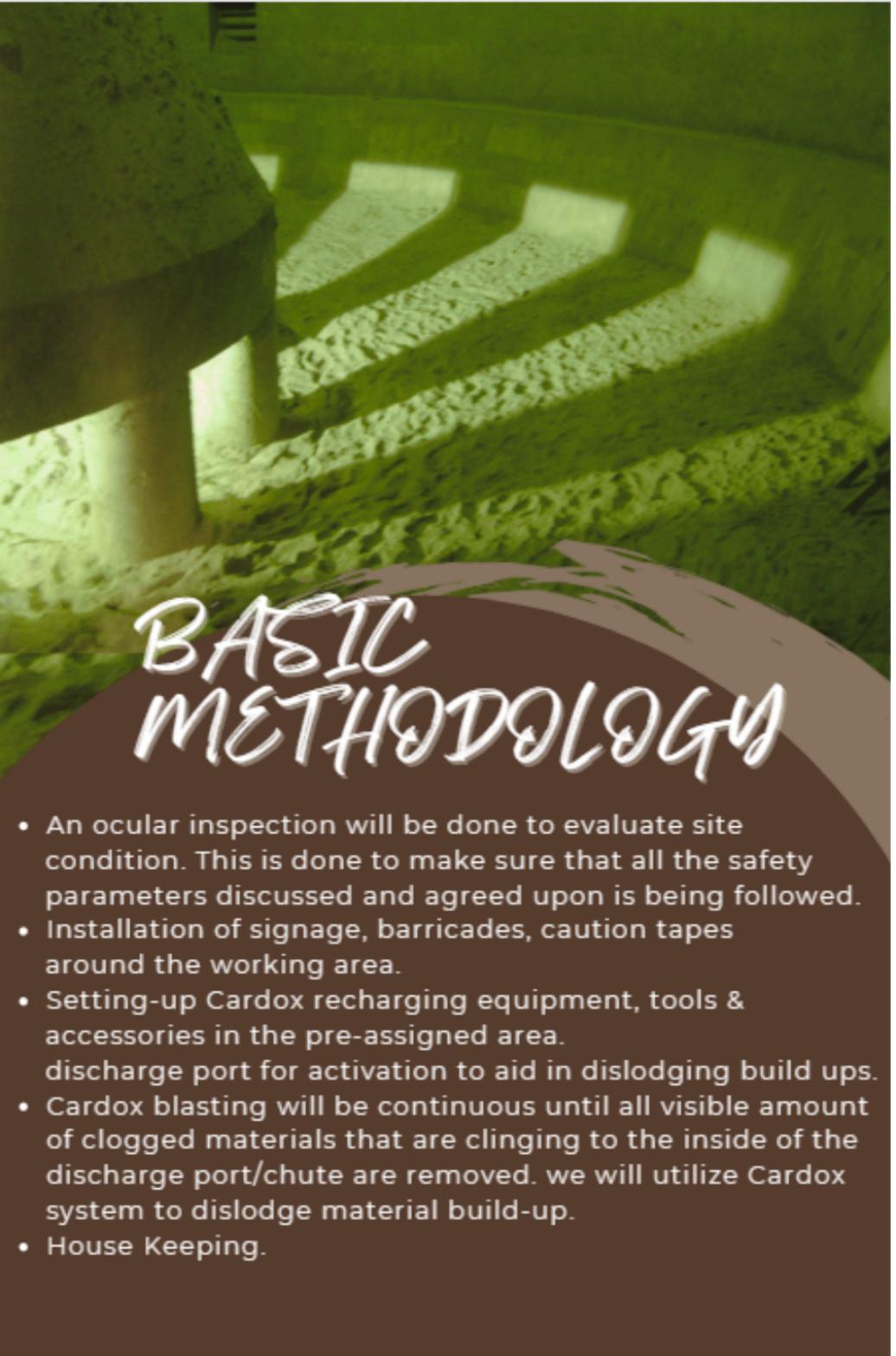
Cardox Declogging System is a revolutionary silo cleaning technique that significantly improve the safety profile of silo cleaning operations by eliminating the need for human entry into the silos at any point during the clearing process.

DURING
BLAST



AFTER
BLAST





BASIC METHODOLOGY

- An ocular inspection will be done to evaluate site condition. This is done to make sure that all the safety parameters discussed and agreed upon is being followed.
- Installation of signage, barricades, caution tapes around the working area.
- Setting-up Cardox recharging equipment, tools & accessories in the pre-assigned area.
- discharge port for activation to aid in dislodging build ups.
- Cardox blasting will be continuous until all visible amount of clogged materials that are clinging to the inside of the discharge port/chute are removed. we will utilize Cardox system to dislodge material build-up.
- House Keeping.

Safety Considerations

1. Since there is an on-going cleaning, the working areas are set accordingly for the safe activities done around the discharge port. Isolation and barricading must be in place.
2. No activity under the silo will be allowed during the blasting and cleaning activity for safety.
3. Only one designated operator to control the blasting of Cardox.
4. Our on-site safety officer shall be present especially during blasting to ensure compliance.

Services

1. Silo Cleaning
2. Refurbishing of Silo canvasses
3. Cleaning of aeration pipes
4. Other Services:
 - Blasting of all Silo Discharge Port
 - Blasting of Kiln Blockage
 - Blasting of Clinker Snowman
 - Blasting of Gypsum Hoppers Blockage
 - Blasting of Calciner Blockage
 - Blasting of Pre-Heater Cyclone Blockage
 - Blasting of Smelting Boiler Furnace Blockage





Union-Lock Personnel Safety Training

Working at Heights

COSH

Confined Space

BOSH

Ladder Safety

First Aid

Emergency rescue

Power Tools

Cardox Safe Applications

UNION LOCK

"We invested not only in training but also on equipment, tools and instruments."



Cardox Declogging System reusable gas expansion system that fractures rock-hard material with power, safety, & control.



10 meters portable Conveyor



Generator Used for power outage.



Blower Provide air for ventelation



Safety Lanyard and Harness



Air Compressor



Life-line for additional safety support



Pneumatic Drill to prevent electrocution working in isolated area



PPE's



First Aid



Gas analyzer



Handheld Radio



Chipping Hammer



Man Cage

MEgaphone



Winch



Portable Welding Machine

Our Project References

Customer (Plant)	Mill Type / Kind / Silo No. Size	Work/s Done / Item Supplied
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YEAR 2024		
RCBMI (TERESA PLANT)	MILL D	EMERGENCY PLASTING
YEAR 2023		
PHELCEMENT (BATAAN PLANT)	CEMENT SILO # 4	SILO CLEANING
YEAR 2021		
EAGLE CEMENT CORPORATION (BULACAN PLANT)	LINE 3 CEMENT SILO # 5	SILO CLEANING
YEAR 2020		
RCBMI (TERESA PLANT)	CEMENT SILO # 2 (14.0M x 30.0M H)	SILO CLEANING
RCBMI (TERESA PLANT)	SWONBALL AND CLINKER COOLER	CLEARING OF SWONBALL AND CLINKER COOLER
RCBMI (TERESA PLANT)	SWONBALL AND CLINKER COOLER	CLEARING OF SWONBALL AND CLINKER COOLER
YEAR 2019		
RCBMI (NORZAGARAY PLANT)	GAS CONDITIONING TOWER	BLASTING/CLEARING
RCBMI (NORZAGARAY PLANT)	CLINKER COOLER	SNOWBALL CLEARING AND CLINKER COOLER
RCBMI (NORZAGARAY PLANT)	GAS CONDITIONING TOWER	BLASTING/CLEARING
EAGLE CEMENT CORPORATION (BULACAN PLANT)	CEMENT SILO # 2 (24.0M x 39.0M H)	SILO CLEANING
PHIL ASSOCIATED SMELTING AND REFINING CORP.	STORAGE HOUSE BLENDING BINS (SHBB)	CLEANING OF COPPER CONCENTRATE BUILD-UP
YEAR 2018		
APO CEMENT (CEMEX)	CLINKER SILO	CLEARING OF BLOCKAGES OF CLINKER SILO
EAGLE CEMENT CORPORATION (BULACAN PLANT)	CEMENT SILO # 1 (24.0M x 39.0M H)	CLEARING OF BLOCKAGES
APO CEMENT (CEMEX)	CLINKER SILO	CLEARING OF BUILD-UP MATERIALS
YEAR 2017		
EAGLE CEMENT CORPORATION (BULACAN PLANT)	CEMENT SILO # 2 (24.0M 39.0M H)	SILO CLEANING & REFUBISHING OF AERATION CANVASS
APO CEMENT (CEMEX)	CEMENT SILO 1,2,3 AND 4	CLEARING OF BLOCKAGES
APO CEMENT (CEMEX)	CEMENT SILO 1,2,3 AND 4	CLEARING OF BLOCKAGES
YEAR 2016		
MABINI PLANT (HOLCIM PHILIPPINES)	CEMENT SILO # 2	SILO CLEANING
APO CEMENT (CEMEX)	CLINKER SILO (54.0M Dia x 50.0M H)	SILO CLEANING
HOLCIM PHILIPPINES, INC.	CLINKER SILO (28.5M Dia x 29.0M H)	SILO CLEANING
HOLCIM PHILIPPINES, INC.	RAW MEAL SILO (22.0M Dia x 56.5M H)	SILO CLEANING & REFUBISHING OF AERATION CANVASS
RCBMI (TERESA PLANT)	CEMENT SILO # 2 (14.0M Dia x 30.0M H)	SILO CLEANING & REFUBISHING OF AERATION CANVASS
YEAR 2015		
RCBMI (TERESA PLANT)	CEMENT SILO # 2 (14.0M Dia x 30.0M H)	SILO CLEANING
PHIL ASSOCIATED SMELTING AND REFINING CORP.	PSF BOILER	CLEANING OF BUILD-UP MATERIALS
STAR TERMINAL PLANT (HOLCIM PHILIPPINES)	CEMENT SILO # 1 (24.2M Dia x 52.0M H)	SILO CLEANING & REFUBISHING OF AERATION CANVASS

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