



 AmmLee Group International

 RekmaKZ JV LLP

# HYDRODEMOLITION OF CONCRETE STRUCTURES, HIGH AND ULTRA-HIGH PRESSURE WATER JET CLEANING

EXPERTS IN HYDRODEMOLITION

# ABOUT US

We are pleased to introduce our joint venture between RekmaKZ JV LLP (Kazakhstan) and AmmLee Group International (UK). Both companies have combined their extensive knowledge and resources to provide a full range of services designed to meet the growing needs of the industrial sector. Our cooperation is aimed at providing you with advanced technologies, specialized solutions and efficient service delivery in the field of hydrodemolition (hydrofracturing), high and ultra-high pressure water jetting and other advanced industrial applications.

[REKMAKZ JV LLP](#)

[AMMLEE GROUP](#)





# OUR MISSION

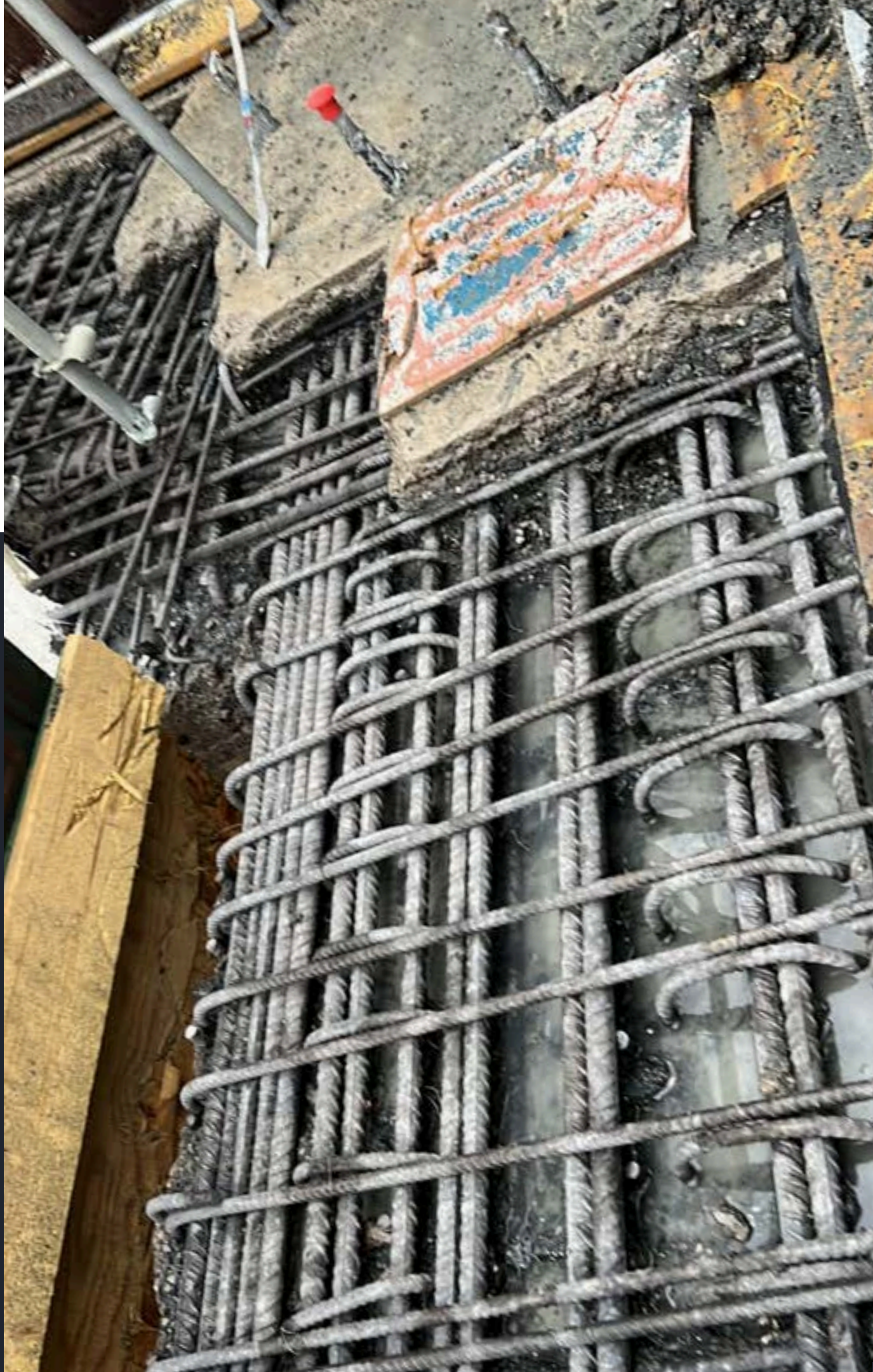
As key players in our respective industries, our Joint Venture is aligned with our shared vision of offering quality, safety and efficiency, ensuring that your project needs are met to the highest standards. Whether your operation requires precision (mapped) concrete removal, refractory removal or advanced cleaning techniques, our combined experience makes us the ideal partner to meet the most challenges.





# OUR TECHNOLOGY

Hydrodemolition (also known as hydro-demolition, hydro-blasting, hydro-milling, water-jetting and water-abrasive blasting) is a concrete removal method that uses water under standard pressure, often containing an abrasive, to remove worn and over-strength concrete, asphalt pavements and cement concrete systems.



# OUR TECHNOLOGY

Due to the vulnerability of deteriorating and structurally defective concrete structures of bridges, hydraulic structures, there is a need for selective demolition, which is defined as the removal of damaged or weak concrete while preserving sound concrete. Hydrodemolition is an effective, cost-effective and precise method that removes deteriorated concrete using high-pressure water. In addition, it helps prepare the surface before laying the deck and provides a highly bonded surface for superior results. Hydrodemolition is a safe, controlled and impact-free solution for concrete removal that does not have the risk of micro-cracking the existing base compared to other traditional methods of milling and scarifying concrete. In particular, after removing the desired concrete, the remaining aggregate exposure is “cleaned and prepared to receive the overlay”, which can be achieved by saturated drying the surface



# TYPE OF WORKS PROVIDED

01

**Hydrodemolition** is an environmentally friendly, non-invasive method of removing damaged or deteriorating concrete. This process ensures that only the damaged areas are removed, preserving the integrity of the remaining structure. Ideal for projects that require high standards, such as bridge repairs, tunnel maintenance or other infrastructure upgrades.

02

## **Ultra High Pressure Water Jetting**

Our ultra high pressure water jetting capabilities provide effective and safe cleaning solutions for industrial plants, refineries and other harsh environments. This service is particularly suitable for removing coatings, rust, scale and other hard materials from metal surfaces.

03

## **Refractory Removal**

Our water jetting technology is also used to remove refractory materials in boilers, furnaces and kilns. Not only is this method fast and effective, it also eliminates the need for a jackhammer, reducing the risk of structural damage.

04

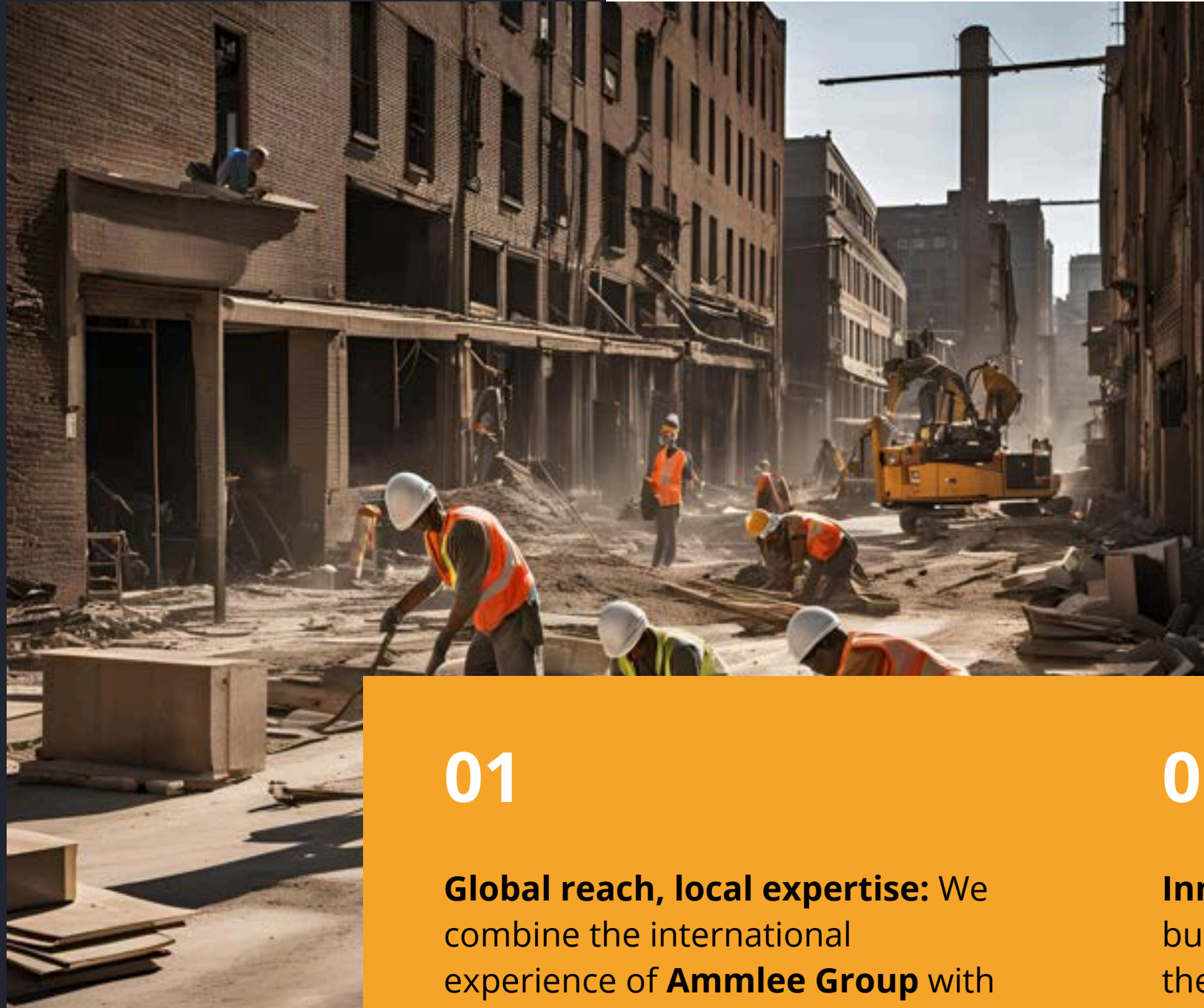
## **Surface Preparation**

We specialise in preparing surfaces for new coatings or refinishing old ones, ensuring surfaces are clean, free of contaminants and ready for the next stage of construction or renovation.

05

## **Industrial Cleaning and Maintenance**

Regular maintenance and cleaning are essential to the longevity of any industrial facility. Our high pressure and ultra high pressure water jet cleaning solutions are designed to keep your equipment running efficiently and reduce the risk of costly breakdowns or malfunctions.



# WHY TO CHOOSE US?

01

**Global reach, local expertise:** We combine the international experience of **Ammlee Group** with the strong regional presence of **RekmaKZ JV LLP**, giving you a partnership that understands both global standards and the local business environment

02

**Innovation and excellence:** Our business is built on innovation and the commitment to providing the best solutions using the most advanced and available technologies.

03

**Customer-centric approach:** We prioritize our clients' needs at every stage of the project. From planning to execution, we ensure that our solutions meet your business goals.

# THE VALUE OF OUR OFFER

## Advanced technologies and equipment

We use the latest equipment to provide water jetting and demolition services, ensuring the highest quality results with minimal impact on the environment.

## Experience of various applications

With many years of experience, we bring a wealth of knowledge to every project. Our teams are experts in precision concrete removal, high pressure cleaning and structural maintenance, allowing us to offer solutions tailored to your specific requirements.

## Safety and Compliance

Safety is at the core of our business. Both companies adhere to the highest safety standards and strive to maintain a safe working environment for all employees and clients. We fully comply with international regulations, ensuring that all projects are completed without incident.

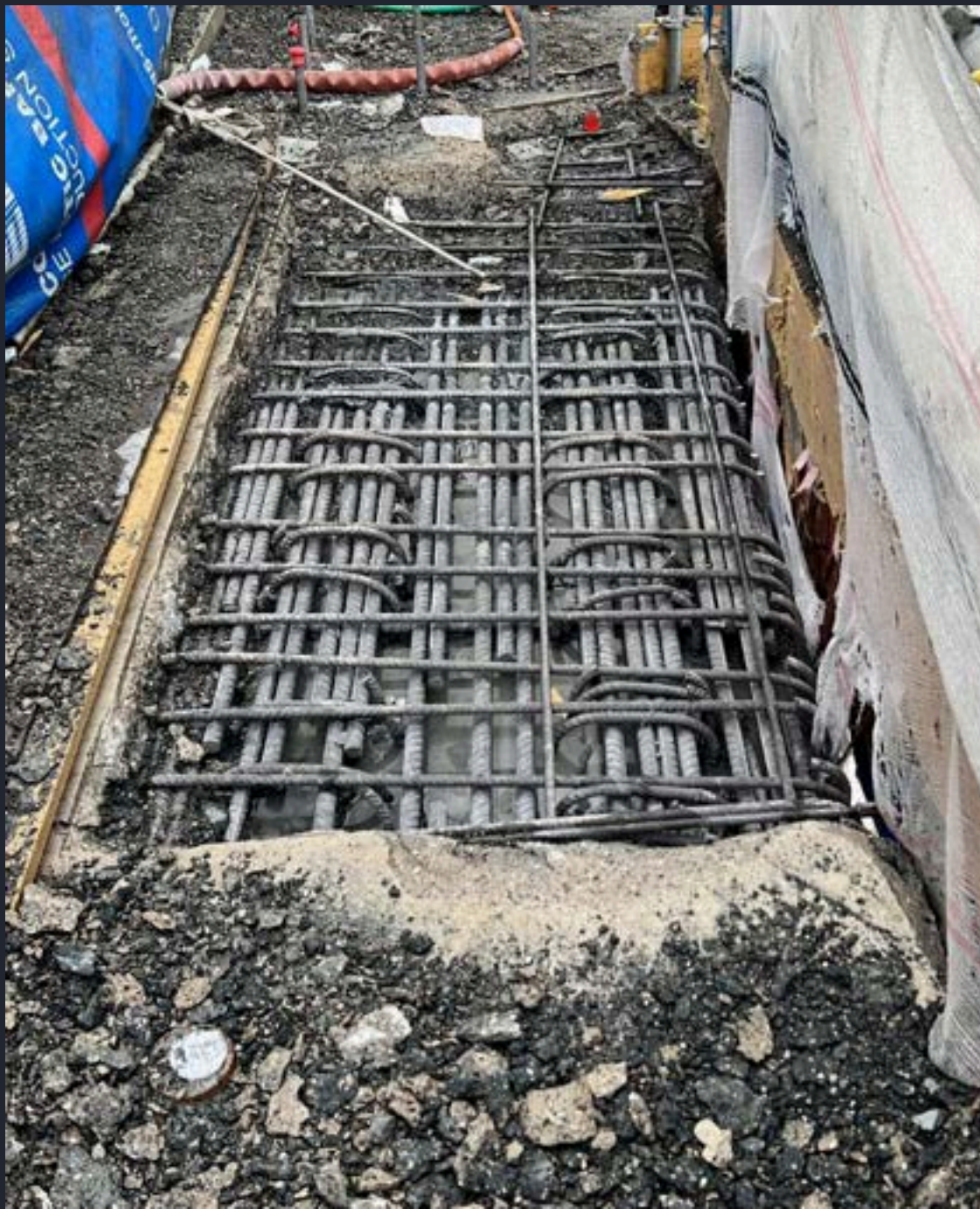
## Reduced downtime and efficiency

Our activities are aimed at reducing the time spent on maintenance and repairs, allowing you to focus on core operations, we offer effective solutions that provide long-term savings. Our precise methods minimize material waste and ensure that projects are completed on time, reducing unnecessary expenses.

# PROJECTS GALLERY



# PROJECTS GALLERY



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