

METROPOLITAN DEMOLITION





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ABOUT US

OVER 40 YEARS IN THE DEMOLITION INDUSTRY

Metropolitan Demolition began its journey in 1966 by brothers, Trevor and Peter Hirst.

They first started with truck hire operating around the construction of the Yorkshire stretch of the M1 from Wakefield to Haigh Roundabout.

Their demolition work started through contacts made through truck hiring, they initially hired an excavator for clearing local sites but soon realised that this was taking all the profit; and so their first excavator was purchased so that they could carry out their own work.

A lot of their first work began with slum clearance and industrial mills which came through references by the local councils across Yorkshire.

During the late 1960's there were opportunities arising to make money from salvage - stone in particular.

So the two brothers set about specialising in reclaimed stone and retailing it. Soon, there were 1000 yards of redressed stone being produced on a weekly basis by 70 stone masons who worked across 7 different stone yards.

The locations of the stone yards spread across Yorkshire including Bradford, Wakefield, Huddersfield and Halifax.

In the later 1960's the brothers made reclamation a priority during their demolition works and ensured 90% of materials were recycled. Materials such as timber, slate, paving slabs and stone work; lots of which were used to produce the hardcore during the construction of the M62 and M1.

Their reclaimed materials were used to create a base beneath the roads.



Metropolitan Demolition founder, Trevor Hirst.

THE 1970'S SAW GREAT INVESTMENT IN NEW MACHINERY

Throughout the 1970's a large investment was made in new machinery and new family members joined the Metropolitan team.

The 70's also saw new family members join the business;

Trevor's two sons, Stephen and Michael. The brothers left school to join the company and assisted in running the sites.

Further investments were made in property development. They ran this along side the demolition work.



1973 - Trevor Hirst and a 951C Caterpillar Excavator.



Michael Hirst and his Grandad, (Metropolitan Demolition founder) Trevor Hirst.

In 1991, Trevor wound up Metropolitan Demolition. It was then restarted in 2008 by his Grandson, Michael Hirst.

Trevor has since worked with Michael, providing guidance and sharing his wealth of knowledge and experience.

This has which has certainly helped the company progress to where it is today.

Although times have changed, Metropolitan Demolition's core values and principles remain the same;

- To ensure the utmost standard of safety during every project and to reclaim/recycle wherever possible.

SERVICES

We offer a broad range of demolition services, all of which are safety assured and carried out by our highly experienced team. These include:



DEMOLITION

We have a dedicated demolition team, providing all clients with a complete bespoke package catered to their individual requirements. We offer careful consideration and support throughout our demolition projects to ensure our methods are carefully planned and result in a safe demolition and client satisfaction.



HIGH-RISE DEMOLITION

We have the machinery and expertise to carry out work on many high-rise commercial properties, power generation sites, chemical plants, foundry's, and other industrial sites. We have structural engineers calculations to hand, along with building specification, scaffolding, high reach equipment and excavators that enable us to safely and successfully dismantle and demolish high-rise buildings.



DECOMMISSIONING

We offer Decommissioning solutions from initial surveys and characterisation through decontamination, dismantling, recycling/resale and segregation to packaging and disposal. Our team has proven technical and management capabilities aligned to the project. We have an impeccable safety record in the most demanding and challenging environments.



DISMANTLING

Dismantling is the process of deconstructing a building or structure, it is the true test of the demolition workers skills. We pride ourselves on being one of the leading contenders in the dismantling process within the demolition industry. MDL have obtained an impeccable reputation through their work ethic, standard of demolition work and exemplary track record.



ASBESTOS REMOVAL

Asbestos Removal Legislation introduced in 2006 states that before you start any demolition project you are required by law to have a Pre-Demolition Refurbishment Survey conducted before work commences. This is in order to identify the presence of any asbestos in the building. We have a wealth of knowledge and experience in managing the removal and disposal of asbestos materials prior to the demolition of buildings.



TRANSPORTATION

We provide a dedicated transport service to ensure your equipment arrives on site on time. With 60 tonne carrying capacities they can be hired by anyone with a requirement to transport machinery, equipment and abnormal loads across the UK. Our experienced and competent drivers are fully conversant with the handling of heavy plant equipment. Our extendable bed trailers enable us to move multiple machines in the same journey, providing you - the customer, with huge savings.



HEALTH & SAFETY

Putting safety first...

We continuously strive to uphold the highest standards concerning all matters relating to health, safety, and the general welfare of our employees, and anyone else within the vicinity effected by our projects.

By complying with all Health & Safety legislation we acknowledge our responsibility and duty to those working in and around the demolition environment.

We believe in best practice across all our areas of our operations and continue to review our procedures to ensure they are as safe as possible.

Constant communication and discussions on site reveal areas for improvement allowing the accommodation of new requirements by the customer.

With stringent compliance to regulations on site at all times, our commitment to health and safety result in a smoothly run project and safe completion.



ACCREDITATIONS



National Federation of Demolition Contractors
Voice of the Global Demolition Industry



Constructionline

Gold Member



Accredited Contractor
CHAS.co.uk



CASE STUDIES: The former Koppers Tar Plant

This project involved the removal of asbestos pipe lagging, the remote demolition of 12 steel tanks these were approximately 16 metres in height and the removal and crushing of all concrete bases. The project was valued at approximately £1,000,000 and the time scale was estimated at 24 weeks and commenced 06-01-2020.

A 2-metre-high boundary was placed around the site using palisade fencing, CCTV security cameras were also put on site to ensure full security. The site compound, which was set up prior to work commencing as per CDM regs 2015, consisted of parking for up to 10 vehicles, 2 welfare units and 1 site office.



The licensed asbestos removal was undertaken by HAR over a 6-week period with approximately 6 operatives. All asbestos works were carried out as per control of asbestos regulations 2012, with separate muster points in place in case of emergency.



The steel tanks and associated pipe work were purged, and the site manager was issued with a gas free certificate prior to removal. To avoid working at height and minimise hot works, the method decided upon was to shear the steelwork using a Komatsu 350 high reach demolition rig.

With safe working zones in place and communication between the banksman and operator via 2 way radio, the high reach sheared sections of the tanks and pipework until reduced in height sufficiently. This then allowed our Doosan 420 to complete the rest of the task. The high reach then proceeded to undergo works on the next tank.

Once the first tank had been demolished, we used two of our Doosan 300s with various attachments to process the arising materials.

The steel was loaded onto Metropolitan's 8 wheeler skip wagon and removed from site and transported to Wards Metals for recycling. The total amount of recycled steel was in the region of 3500 tons. Only 300 tons of waste, which consisted of felt and Perspex, found its way to landfill.

We monitored all on-site vehicle movements with trained banksmen and one-way systems were put in place with segregated pedestrian walkways to reduce the risk of injury to personnel.



All safe working and pedestrian zones and the boundary fencing were logged on the temporary works register and checked as per TW 2019.

Once the demolition had been completed, the next phase was the removal of the concrete base and associated foundations. The 2 Doosan 300s with hydraulic breaker attachments "popped" the base paving the way for the Doosan 420 to begin lifting and loading onto the 30t dump truck. The material was then tipped into a segregated area where the Doosan 350 with pulveriser attachment processed the concrete ready to be crushed.

Once all the material was processed the Doosan 420 loaded it into the Pegson XR400 crusher, where the material was reduced to 60 mm

A Volvo L150 loading shovel removed the finished product to an agreed area to be re-used along with the steel, this meant approximately 96% of all materials were recycled or re-used. Dust suppression was in place throughout the project via 2 screen pod dust cannons. Daily briefings were carried out by the site manager and regular progress meetings were held with the client. Originally, we had 10 demolition operatives on site: 5 plant operators and 5 bankmen/ labourers.

Due to the Covid -19 pandemic the numbers were reduced to 4 plant operators and 2 banksmen. We also had an outdoor canopy erected to enable daily briefings and site meetings to continue to take place while adhering to the 2 metre rule. The site manager was issued with a thermometer and all personnel entering the site had their temperatures checked.

The project was completed on the 29-05-2020, 3 weeks ahead of schedule.

CASE STUDIES: ThyssenKrup, Kirkstall Road, Leeds

This contract was awarded to Metropolitan Demolition LTD on the 4th September 2017 by The Lund Group and acted as the principle contractor. Situated on one of the main roads through Leeds, planning in the pre-construction phase proved challenging, liaising with both the client and the local authorities regarding road and footpath closures and considering other options.



The outcome was that the 4 metre perimeter walls surrounding the buildings would remain in situ during the works to protect the public. The welfare consisted of one 8 metre office and two self-contained units.

A fueling area was set up to the rear of the site and a spill bund created on the opposite side as this was near a canal.

We estimated the duration of the project to be 28 weeks and was valued at £600,000. The job consisted of a full strip-out of a 3-story office block as part of a refurbishment and the full demolition of 10 bays of steel sheds with asbestos cement roof sheets.

The method we opted for was to remove the roof sheets using MEWPS for access and split the buildings with the use of hot-cutting to enable the excavators to demolish each bay safely without disturbing the perimeter walls.

The excavators would then process the scrap metal using various attachments for recycling.

The final bay running parallel with the perimeter walls was split using hot-works cutting before being carefully demolished via the excavators leaving the walls undamaged. Dust suppression was constantly used in the form of 2 water cannons

Once all the demolition was complete and the materials cleared the concrete bases were dug up along with the foundations and crushed for re-use.

Live electric was found to be running across the corner of the site from the street lighting.



Plant used on this project:

- 1 x high reach demolition rig
- 4 x 360 excavators
- 2 x 8 wheeler skip waggons
- 1 x loading shoval
- 1 x crusher

Various attachments:

- Pulverisers
- Shears
- Hydraulic breakers

To avoid striking the cables we opted to saw cut the concrete 1 metre either side and remove this with a smaller excavator.

With all the scrap metal being recycled and the crushed materials for re-use we had a high rate of recycling.

The project was completed to the client's satisfaction on the 16th March 2018.

CASE STUDIES: Printing Press, Southampton

Metropolitan Demolition LTD were awarded this contract from Newsquest Media.

The printing press and associated steelworks weighed approximately 2000 tons. Planning and communication in the pre-construction phase of this project were paramount as the remainder of the building was “live” with employees of Newsquest media. This involved regular meetings with the client to determine segregation, noise and dust monitoring, along with welfare set-up. The project was valued at £300,000 and commenced on the 01-06-2020.

The estimated duration was 20 weeks.

The agreed location of the welfare, which were in the form of one self-contained unit and one 8 metre office were on a section of the client’s car park.



Site segregation was in the form of heras-style fencing and bracing, with debris netting attached.

Due to the fact Newsquest media employees were in the vicinity the site segregation was rated at 1 on the temporary works register and was checked daily.

Noise monitoring was carried out and was not an issue during the initial stages as the work involved dismantling.

Metropolitan were issued the task of draining the ink from the presses which was to be disposed of by the client.

All operatives were given a toolbox talk and a specific risk assessment on this prior to commencing works. The method chosen to complete this project was carried out by unbolting the lower level pipes and draining into 220 litre containers situated below the pipes. Due to the ink residue, no hot works could be carried out on this project which posed its own challenges such as manual handling issues.

The next stage was to remove all redundant pipework and cable trays using hand tools.

All working at height was undertaken with the use of MEWPS. The press housing had to be unbolted and lowered with the aid of mechanical equipment such as electric lifting hoist and forklift truck.

The demolition work involved the 5 towers and concrete surround.

Noise monitoring again took place with certain tasks undertaken out of hours to avoid disturbing the client.

During the removal of the concrete, dust suppression was in place in the form of light spraying dust cannons.



The project was completed 4 weeks ahead of schedule and well within budget.



Equipment used on this project:

- 1 x electric forklift truck
- 1 x 40t excavator
- 1 x grab attachment
- 1 x shear/pulveriser attachment
- 1 x dust cannon

CASE STUDIES: Newburgh - phase 2

(Redevelopment for 80 new homes)



This project was the second phase of a previous job completed by Metropolitan Demolition LTD.

It involved the removal of non-notifiable Asbestos and remote demolition of the former Newburgh engineering site which produced major components for the MOD.

Works consisted of the demolition of 200,000 sq. ft of industrial buildings, MDL removed all slabs and sub structures and crushed this to type 1.

All non-notifiable Asbestos was removed as per the control of Asbestos Regulations 2012 and was undertaken by Metropolitan Demolition's highly trained workforce.

The demolition of the buildings was undertaken using a Volvo 460 High Reach Demolition rig assisted by a Doosan 420 and Doosan 225 both fitted with hydraulic shears and selector grabs for loading and segregating waste materials. Throughout the demolition process over a 1000 tons of scrap metal was recovered creating a credit back to the client.

All waste was removed from site to a licensed facility.



Once the demolition had been completed, the next phase was to commence with the removal of all bases and sub structures, some up to 6 metres in depth.

Using our 50 to 30 tonne excavators, all concrete was broken out using hydraulic breakers and processed for crushing, using dust cannons to keep dust control to a minimum.

We used two of our 50 ton Jaw Crushers from our extensive fleet of in-house equipment to crush and screen the 50,000 tonnes of material processed to type 1 for re-use on site by the developers.



Equipment used on this project:

- 1x 30 metre High reach
- 2x 40 ton excavators
- 3x 30 ton excavators
- 2 x crusher
- 1 x loading shovel
- Pulverisers
- Shears
- Slector grabs
- Hydraulic breakers

TESTIMONIALS

“ Extremely professional in all aspects of their work ”

"We started using Metropolitan Demolition early 2015 and now use them for all of our Knock-Down & Re-Build of Petrol Filling Station Developments. Metropolitan Demolition work extremely professional in all aspects of their work from Health & Safety Documentation to the actual Demolition Works. We would have no hesitation in recommending Metropolitan Demolition."

P.M, Director, McFadden Building and Civil Engineering.

“ Very reliable and very capable ”

" We have used Metropolitan Demolition and Crushing on various contracts and would not hesitate to use them again. We have projects in the pipeline awaiting planning permission and will most certainly be asking for them to review and quote. They have always been exceptionally reliable and very capable. They adhere to strict timetables and the quality of their work is first class."

D.E.P, Director, Precious Holdings.

“ A very efficient service with good communication ”

"We have used Metropolitan Demolition for all our Demolition & Crushing works for the last 10 years. Their workmanship and Health & Safety standards are of the highest quality. They carry the NFDC accreditation which supports the standards set by us when choosing a sub-contractor. We would highly recommend Metropolitan Demolition."

J.L, Director, Prospect Estates.

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