



## **CASE STUDY** Liquid Nightclub

**Project:** Demolition of Liquid Nightclub  
**Client:** Ron Hull JNR Limited  
**Date:** October 2015

The iconic Liquid Nightclub in Rotherham has been levelled by a specialist team from Ron Hull Demolition Limited. A prominent feature within Rotherham town centre and especially the nightlife scene, the Liquid Nightclub was purchased by locally based Ron Hull JNR Ltd as part of their property portfolio. Perfectly located next to Rotherham United FC's stadium and overlooked by various local business offices including Rotherham MBC, as well as the local police station, the site is now awaiting further development.

RHD's management team, working in conjunction with the project team were faced with numerous complications to overcome when planning the demolition of the site. To the side of the former nightclub is a sub-station which contains a live transformer and gas inlet facility, whilst next to the site was a town centre car park. Both were to remain intact and operational throughout the project. The former nightclub was located next to an extremely busy public highway, meaning RHD's traffic management plan needed meticulous planning to ensure minimal disruption.

Before any demolition started on site an exclusion zone at the south gable, diverting car park traffic along the south boundary, was created.

RHD operatives then soft stripped the internals (non-structural) to minimise the risk of airborne debris during demolition which was followed by pre weakening of the roof structure in the first three bays at the west elevation prior to demolition of the building.





**DEMOLITION &  
DISMANTLING**



Using an excavator with grab attachment works commenced, removing infill brick/block between two column lines to allow the machine access into the building. Once completed the machine operative removed non-structural walls, ducting and false ceilings in the first bay, segregating and loading arisings. This procedure was repeated to clear the next bay, brick/block arisings were used to create a ramp down into the building. A column was then removed to enable a waste skip to be sited in the building to minimise airborne debris. The clearance of the remaining bays, working progressively westwards, then took place and any arisings were loaded into skips within the building.

Using excavator shear and working internally, the machine sheared and removed cladding, purlins and diagonal bracing from the roof. This allowed the excavator, sited externally, to demolish block/brickwork from south gable and east side wall.

Next, working from the plant room roof the RHD specialist team, flame cut through various top tie beams. This was repeated to remove tie beams on the east elevation. From ground level, a hinge support column was cut at the east side and working from the plant room roof, flame cutting was used again through bolt on stub column flange. RHD's 45t excavator/shear was used at the east elevation to pull re weakened column westwards causing the support beam to drop into the building.

All waste debris was transported just 2 miles up the road to Ron Hull JNR's state of the art recycling centre. All wood products were processed into biomass fuels, scrap metal was processed into foundry usage and all brick hard-core was processed into numerous protocol aggregates.

From initial site purchase through to the demolition and recycling of all waste materials, the Ron Hull Group continue to set standards for others to follow.

The site is now ready for future development.

