

## Case Study: Abercynon Station

### Client:

Alun Griffiths (Contractors) Ltd  
on behalf of Network Rail

### Sector:

Rail

### Services Provided:

Installation of a contiguous piled  
Retaining wall.

### Location:

Glamorgan, Wales

### Value:

£39,200.00

### Year:

2010



**Abercynon station serves the village of Abercynon and the Cynon Valley and is located on the Merthyr Line 15 miles north of Cardiff Central.**

Van Elle's role was to install a contiguous piled retaining wall allowing the station to be lengthened to accommodate longer passenger trains since the closure of its sister station, Abercynon North in 2008.

At the same time a pedestrian subway was being installed beneath the lines allowing pedestrians to move between platforms without using the old bridge which was to be removed.

Due to the nature of the work and the restricted access conditions in the fully functional station we piled the contiguous wall with the rig located on the existing platform rather than on a purpose built piling matt. The rig we chose to use for its production capability and minimal working headroom was the Klemm 709.

Alun Griffiths' engineers had come up with 5 possible solutions, 4 of which we commented on and offered our advice at the design stage. Having worked on many similar sites before and having gained an understanding of what was expected and the physical parameters Van Elle needed to work within, we offered a value engineered solution saving our client time and money.

Understanding the rail-specific issues involved on this project allowed us to utilise the correct rig for the job ensuring that both Network Rail and the client were completely happy with the service we carried out and allowing the railway to continue with its normal operation safely.



Klemm 709  
Rig