



Since its development in California in 1981, the VSoL® retained earth system has become one of the most versatile retaining wall solutions. Asset International Structures, an authorised supplier of **VSL CONSTRUCTION SYSTEMS SA**, have worked on various schemes using the **asset VSoL** since 2012. Its performance as a cost-effective construction technique is proven in the number of projects completed over the years.

The modular, easy-to-install system can be used for a range of backfill soils and foundation conditions. Straight, curved, tiered, superimposed or back-to-back walls can be designed due to the flexibility of the **asset VSoL** Polymeric Strip Reinforcement System.

asset VSoL is a reinforced soil wall system which combines:

Applications

The **asset VSoL** Polymeric Strip Reinforcement System is suitable for a wide range of projects including:

HIGHWAY AND RAIL RETAINING WALLS

BRIDGE ABUTMENTS

RETAINED EARTH WALLS FOR ASSET BEBO® ARCHES

CULVERTS

USED & APPROVED BY:

Consultants

Public authorities

Local government

Property developers

House builders and contractors in the road, rail and water sectors within the UK and Europe



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Designing with asset VSoL

Asset International Structures asset VSoL design and supply package

Asset can provide complete design calculations to Eurocode standards. By the use of comprehensive planning for wall design, drafting and project costing, Asset International Structures can provide rapid and cost effective design evaluations as part of its' **asset VSoL** supply package.

A range of standard and bespoke components

asset VSoL design solutions are tailored to individual project requirements. Design solutions come as standard or bespoke components. A cost-effective design is achieved for each project. Asset can provide fully engineered solutions, including the **asset BEBO®** arch combined with **asset VSoL**.

Foundation versatility

asset VSoL walls are internally stable reinforced soil structures that are more accommodating to settlement than most other forms of wall construction. Using flexible reinforcement connections and settlement tolerant facing details, **asset VSoL** walls can support larger construction

and post-construction settlements than conventional retaining wall methods. Hence **asset VSoL** walls can be built on site with poorer foundation soils than traditional walls without affecting the structural integrity and performance of the finished wall.

Design versatility

Due to the cost and effectiveness of the system **asset VSoL** walls are commonly used to replace other wall construction methods. Often proposed by Asset as design alternatives at time of tender **asset VSoL** walls are typically built as replacements for cantilever gabion and bored pile walls or viaduct structures. The flexibility of design and the structural performance of the **asset VSoL** system also permits the removal of expensive foundation systems on many projects.

APPROVALS:

- CAT2 sign-off
- BBA HAPAS
- CE Certification

WORKING TO:

- CDM Guidelines
- FPC (Factory Production Control)
- ISO 9001

DESIGNED TO:

- BS 8006-1:2016



Camborne Pool Redruth East West Link Red River asset BEBO Arches, asset VSoL Walls and Precast Containment Parapets all designed and supplied by Asset International Structures.



M11 Rail Bridge Scheme – Asset International Structures asset VSoL Cross Panel.



asset INTERNATIONAL STRUCTURES

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