

# 6x6



**MOBILITY**  
**RE-DEFINED | RE-DESIGNED**

**6x6 HILOAD** |



# 6x6



## CASE STUDY

The payload, load space, mobility and single rear wheel format of the 6x6 HILOAD is ideally suited to a number of specialist security applications.

### Load Space & Payload

The significantly longer chassis enables the use of a Double Cabin base vehicle with an enlarged rear crew / equipment area.

Crucially a larger and hydraulically operated assault system has been designed and installed which can carry more crew and has longer ramps to achieve greater height for assault.

Subject to the weight and configuration of the assault system the number of operators that can be mounted on the vehicle for assault is 12.

The vast payload available can also be used to carry armour systems or a wide-array of method of entry equipment.

The significant downside of 4x4 pick-ups is the total lack of space for crew or an effective assault system.

### Stability & Mobility

The 6x6 configuration is far more stable than a 4x4 configuration, especially in an assault phase which sees severe cornering action with an elevated centre of gravity.

This stability is delivered by removal of the unstable leaf and damper set-up on the rear, being replaced by panhard rod, trailing arm, anti-roll bars and a height sensing air-bag system.

Roll-centres have been tuned for elevated centres of gravity in applications like this. Stability is also delivered by the 6 tyres contacting the ground at all times which reduces body roll on rough ground.

4x4 pick-ups used in this role are a huge compromise in terms of stability.

### Assault System

This project and the assault system is from Team Concept in Poland.

[www.team-concept.pl](http://www.team-concept.pl)





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