



D-BOX MOTION SYSTEM
Motion and vibrations cueing for all simulators

State-of-the-art motion system that can seamlessly be integrated with any existing simulators.

Guaranteed to offer quick deployment at low maintenance cost.

D-BOX motion systems are compatible with industry simulation software as well as serious games, creating fully immersive simulated experiences in training and analysis environment.


D-BOX MOTION SYSTEMS

D-BOX Motion Systems enable you to develop highly reliable training applications that respond and adapt to real-life situations, such as textures, velocity, engine vibrations and vehicle dynamics motion.

By integrating our motion systems with your simulation engine, you gain a highly reliable simulator that responds to on-screen situations and user responses, using kinesthetic cues to build operators' psychomotor reflexes.

Get in touch. We can help you to implement the most efficient simulation environment for your needs.

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 <http://www.youtube.com/dbotechnologies>

Learn more at:
<http://www.d-box.com/training-and-simulation>

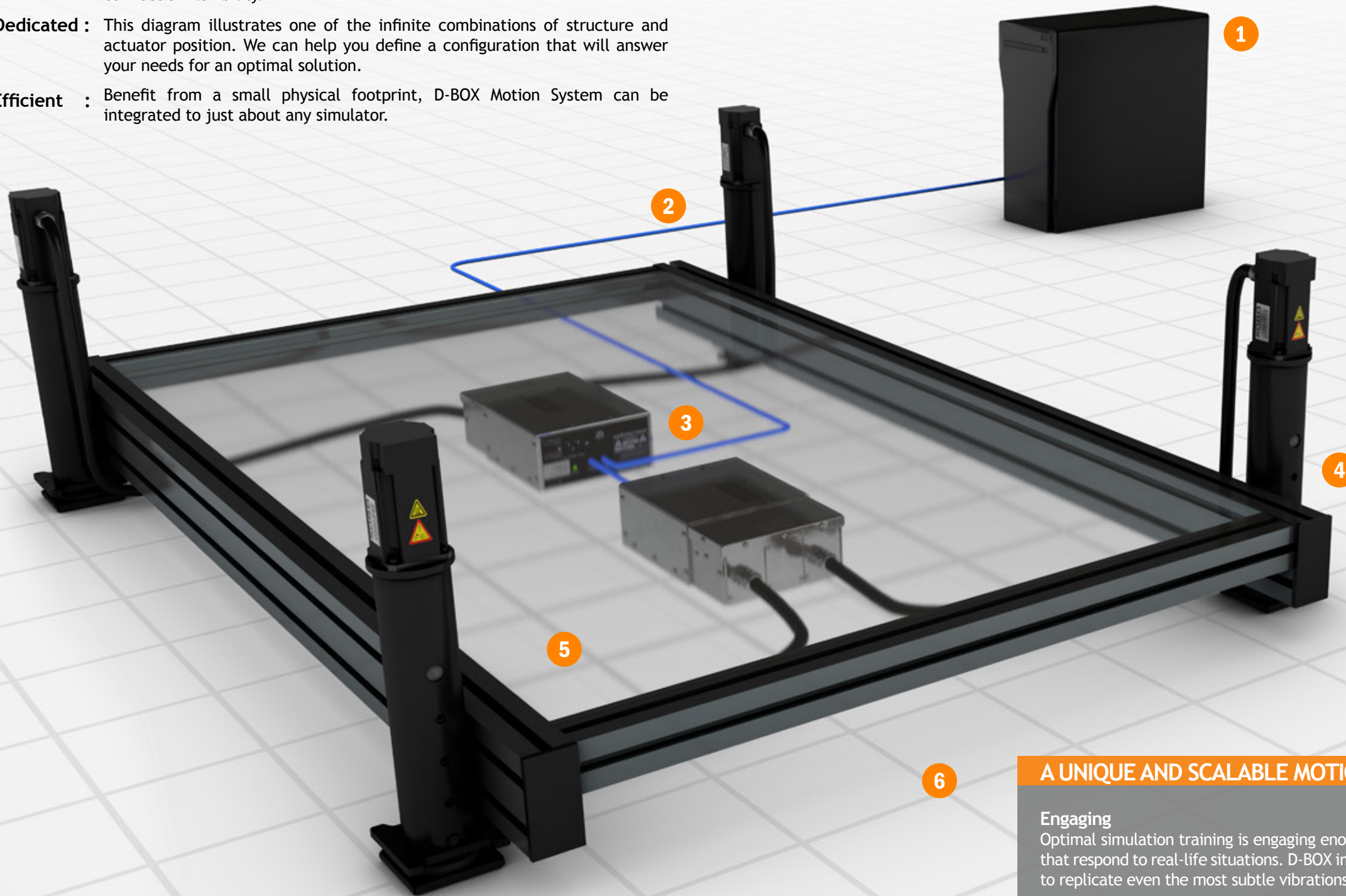
D-BOX MOTION SYSTEM EXPLAINED

A plug and play scalable Motion System to enhance your existing simulator

Complete : D-BOX Motion System is a complete solution adding motion and vibration to your simulator. Beyond actuators D-BOX system includes software API and connection flexibility.

Dedicated : This diagram illustrates one of the infinite combinations of structure and actuator position. We can help you define a configuration that will answer your needs for an optimal solution.

Efficient : Benefit from a small physical footprint, D-BOX Motion System can be integrated to just about any simulator.



1 HOST COMPUTER

Your simulator, your environment, our flexibility

Use our API to transfer real time motion and vibration from your preferred software. No need to adapt your software application. D-BOX motion specialists can support your integration and save you time.

2 CONNECTION AND CABLING

Deployment flexibility : mixing USB and Ethernet

As you plug our USB to your Host PC, D-BOX's connection cabling transforms the signal from your application into an Ethernet protocol. This technique allows placing your simulation platform at fairly long distances from your host.

3 MOTION CONTROLLERS

Balancing the load and recycling energy

D-BOX's controller will interpret your host signal, split it and create low level motor commands to the actuators. One combined signal will contain low frequency (for motion) and high frequency up to 100Hz (for vibrations) waves.

4 ACTUATORS

Design your own platform or select from one of our partners

Actuator configurations are available in 2, 3 4 actuators combination. The 2 Actuator Kit delivers two axes of movement (pitch and roll) while the 3 and 4 Actuator Kits deliver three axes of movement (pitch, roll and heave). You may choose from 3 different sizes of actuators with a variety of captive and non-captive extremities. Making each configuration unique and optimized for your application.

5 RIG OR PLATFORM

Design your own platform or select from one of our partners

Each type of operator requires specific controls that can affect simulator configuration. Many shape, size and weight can influence on a motion platform. D-BOX Motion System will support many design of platform thanks to its small footprint dimensions and attachment versatility.

6 ENERGY SOURCE

No more than a regular electrical appliance

D-BOX Motion System will plug into a simple electrical outlet. The same type that powers your PC or your displays. D-BOX Motion System is very energy efficient.

A UNIQUE AND SCALABLE MOTION SYSTEM SERVING THE NEEDS OF ALL SIMULATIONISTS.

Engaging

Optimal simulation training is engaging enough to remove psychological barriers to learning, and generating psychomotor reflexes that respond to real-life situations. D-BOX immerses trainees by replicating the platform's movement while using rich motion cueing to replicate even the most subtle vibrations.

Affordable

Traditional training simulators are not necessarily optimal from a cost benefit perspective. D-BOX motion systems deliver state-of-the-art simulation at a fraction of the price. What's more, our interoperability and ease of deployment further reduce the overall cost of deploying and managing a simulation training program.

Easy to Deploy

Operational requirements and situations can quickly develop and change, requiring simulation systems that can be rapidly deployed anywhere, anytime. An interoperable COTS solution, D-BOX technology is a game changer, thanks to its ease of installation, low electrical power requirements, low shipment weight and reduced deployment time.