

EnginSoft is a premier consulting firm in the field of Simulation Based Engineering Science (SBES) with a global presence. It was founded in 1984, but its founder and initial employees had been working in SBES since the mid '70s. Throughout its long history it has been at the forefront of technological innovation and remains a catalyst for change in the way SBES and CAE technologies in general are applied to solve even the most complex industrial problems with a high degree of reliability.

Today, EnginSoft is comprised of groups of highly qualified engineers, with expertise in a variety of engineering simulation technologies including FEM Analysis and CFD, working in synergic companies across the globe. We are present in Italy, France, Germany, the UK, Turkey and the U.S.A. and have a close partnership with synergic companies located in Greece, Spain, Israel, Portugal, Brazil, Japan and the U.S.A.

EnginSoft works across a broad range of industries that include the automotive, aerospace, defense, energy, civil engineering, consumer goods and biomechanics industries to help them get the most out of existing engineering simulation technologies.



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DATA SHEET



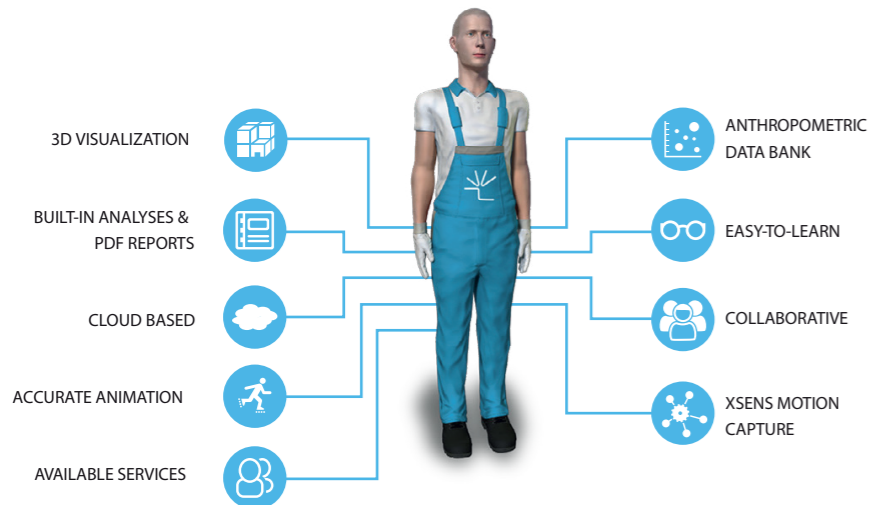
Ergonomic Verification
in 3D Virtual Space



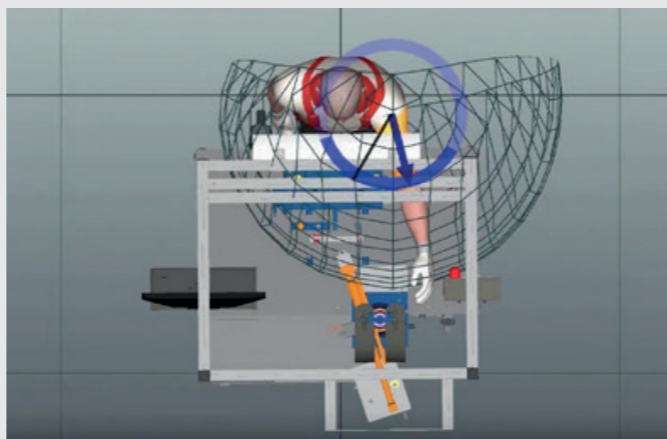
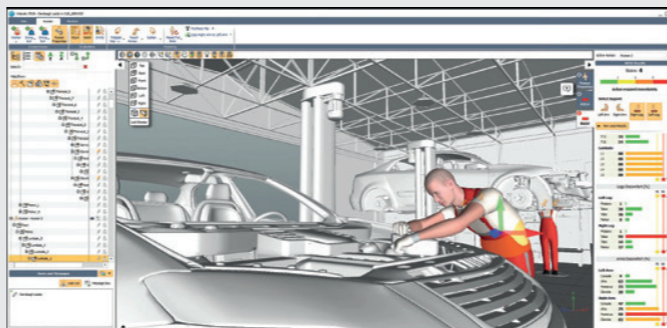
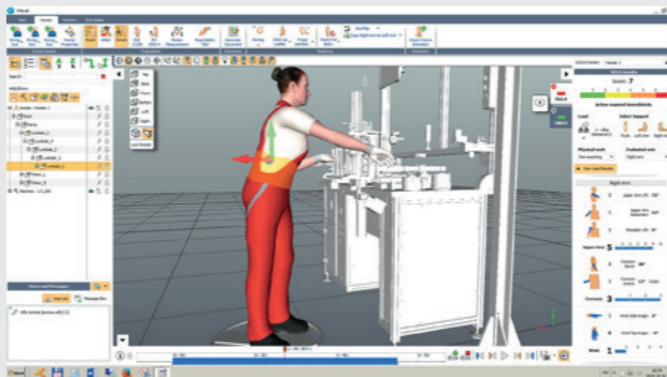
ViveLab Ergo is a high-performance cloud computing innovative simulation system that is perfectly capable of modeling machines, robots and people moving in a given physical environment.

Harmonizing the co-operation of these three elements in the industry's 4.0 era is an indispensable task. Using an anthropometric database containing millions of samples, it precisely models ninety-nine percent of human population's anatomical characteristics. It highlights the health-damaging effects of forced movements caused by incorrect workplace design.

KEY PRODUCT FEATURES



VIVELAB ERGO is a product



Ergonomic Verification in 3D Virtual Space

Manufacturing - Workstation Ergonomics

Preserve the health of employees, extend their working years, save HR costs by creating ergonomically optimal working conditions. Appropriate treatment of occupational safety is also a factor of competitiveness as well as regulatory compliance. In whatever stage your project is; preparation, decision making, implementation or even operation, ViveLab and attached services enable you to run detailed ergonomic examinations and find solutions very quickly.

Ergonomic Product Design

Go-to-market cost and time are one of the key factors of competitiveness. ViveLab enables product designers to create ergonomically optimized design without real-life tests with physical prototypes and hundreds of test subjects. Virtual ergonomic verification is not only easier but also more complete and more professional thanks to ViveLab's anthropometric database and built-in analyses.

Ergonomics in Healthcare

Probably, ergonomic product design plays the most important role in sectors which are fundamentally about the human body. Designers of sport and healthcare tools are especially exposed to the high risk of injury and strong demand of comfort. The capability for long-term simulations even with human subjects with unusual physical conditions makes ViveLab an essential partner in these market segments.

Ergonomics in Architecture

Offices, hospitals, shopping malls... Many buildings serve as working place. The bigger, the more. Cleaners, security guards, nurses, and couriers are exposed to the features of a building on every day for years. Long-term ergonomic verification on your blueprint can be a unique selling point in a tender.

