



People
are the **MOST IMPORTANT**
part of any **system**



LEAP: Load Effects Assessment Program

What is LEAP?

LEAP (Load Effects Assessment Program) is an easily transportable, instrumented mobility course that measures all mobility and user movements deemed essential to one's job, and is fully customizable to many industries.

With LEAP we can support your business decisions by evaluating the impact of equipment on performance, reduce your acquisition costs, and measure changes in user performance under various conditions.

LEAP will help to answer the following questions:

- What impact do equipment changes have on performance?
- What is the optimal equipment configuration?
- What impact does weight have on performance?
- Do your recruits meet a validated performance standard?
- How do heat and fatigue affect performance?



What this means for Armed Forces:

Mobility is a critical requirement for today's dismounted warfighter in an era of new equipment and capabilities.

LEAP enables informed decision-making by comparing warfighter mobility to the burden of additional capabilities.

Key Features:

HSI® uses a proven method to develop a performance evaluation program that is custom-built for each one of our clients.

Customized

LEAP includes a unique set of instruments that generate performance data to improve your operational decisions.

Instrumented

LEAP is designed to fit in an ISO container meaning you can take it anywhere. Deployable on any flat, open ground (100'x180') and removable after testing without leaving a trace.

Transportable

A unique construction and protective coating is applied to all obstacles. LEAP systems have been installed outdoors in inclement weather conditions across the globe.

Rugged

Military research organizations have validated that the LEAP is a reliable and repeatable system.

Scientifically Validated

LEAP 2.0

LEAP is always advancing.

We are always striving to be more **innovative**, make the system easier to use, and create better analytical **data** for our clients.

In a world with ever-increasing technology and demands, our clients need to be at the forefront. That is why we have developed **LEAP 2.0**. A system to capture even more of your crucial data points, reduce your resources, and improve your LEAP processes. With LEAP 2.0 you can have it all.

Improve performance with us.

Networked Software & Hardware Infrastructure

- Hardware provides a secure reliable infrastructure
- New software allows wireless LEAP tasks
- Automated configuration of each workstation

Command Center Software






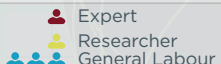












- Central Command Center launches:
 - ✓ Configuration Utility
 - ✓ Database Builder
 - ✓ Remote Connection
 - ✓ All 5 workstation apps
- Software improvements means reduced manpower

Enhanced Walker Tablet System

- Streamline data collection at multiple stations:
 - ✓ Anthropometrics
 - ✓ Range of motion
 - ✓ Obstacle course
 - ✓ Marksmanship
- Automated data collation

Recording of Test Video System

- Multiple cameras provide observational data on every obstacle
- Improved post-processing capabilities

Spec	Current LEAP	LEAP 2.0	Benefit
 Total Resources			Less Man Hours
 Qualifications			Lower Operating Cost Flexible Scheduling
 Workstations Included			Lower Operating Cost Flexible Scheduling
 Visual Evidence for Equipment Evaluations	✗	✓	Prevents Risk of lost data
 Improved Post Processing Capability	✗	✓	Improved Statistical Process
 Remote Access to Workstations	✗	✓	Lower Data Analysis Cost
 Remote Operation of Workstations	✗	✓	Lower Operating Cost reduces man power
 Automated Data Collation	✗	✓	Lower Data Analysis Cost
 Automated Data Archiving	✗	✓	Safegaurds Data
 Runs/Hour			No Loss

About HSI®

HSI® was founded in 1982 and is located in Guelph, Ontario. We believe that people are the most important part of any system. We provide professional **evaluation** and **research** services in Human Factors and Human Systems Integration.

Our goal is to benefit both the well-being and performance of individuals, teams and systems.

With over 15 staff and associates, HSI® gives clients leading-edge support for research, design, development, acquisition or evaluation of the integration of users and their behaviors as teams or individuals into systems of any sort.

*Clothing • Equipment • Vehicles
Command and Control • Workstations • Software*

The HSI® Advantage

- ▶ Optimize Performance
- ▶ Establish Performance Metrics
- ▶ Evidence-Based Decision Making
- ▶ Improved Equipment Effectiveness
- ▶ Substantially Mitigate Risk

To learn more about HSI® and the LEAP, contact:

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