Unleash Human Potential

Precision Motion Capture

Redefining biomechanical analysis

MISSION

Precise motion tracking

- Unparalleled, sensorless technology (< 1cm, 3^0)
- Array of video cameras + state-of-the-art machine learning
- No specialized environment or staff
- Automatic motion analysis

Bringing accurate motion data to the masses; informing decisions where movement matters.

OUR PRODUCT

Seamless. Powerful. Precise.

Calibrate

Record

Analyze

Software engine | *Array of cameras* | *Proprietary data and ML* | *Biomechanical expertise* | *SOTA*

HOW IT WORKS

Fusing ML and biomechanical expertise

- ML algorithms trained on 50M+ diverse images
- Tracking 124 anatomical keypoints on the body
- Triangulation via multi-camera views
- ISB recommended, anatomical segment definitions
- Inverse kinematics with flexible joint constraints
- C3D export; plug and play with existing systems

Combining state-of-the-art machine learning and biomechanical expertise, Theia delivers accurate motion measurements tailored to mocap workflows.

Unrivaled advantages

Market credibility and client centric, stand-alone feature set

Supreme accuracy.

State-of-the-art precision, exceeding other markerless technologies by >2x (<1cm, 3^0, 124 keypoints).

Unparalleled efficiency.

Theia can be used by clinicians, retail staff, or gym owners, eliminating specialized staff (>66% time savings).

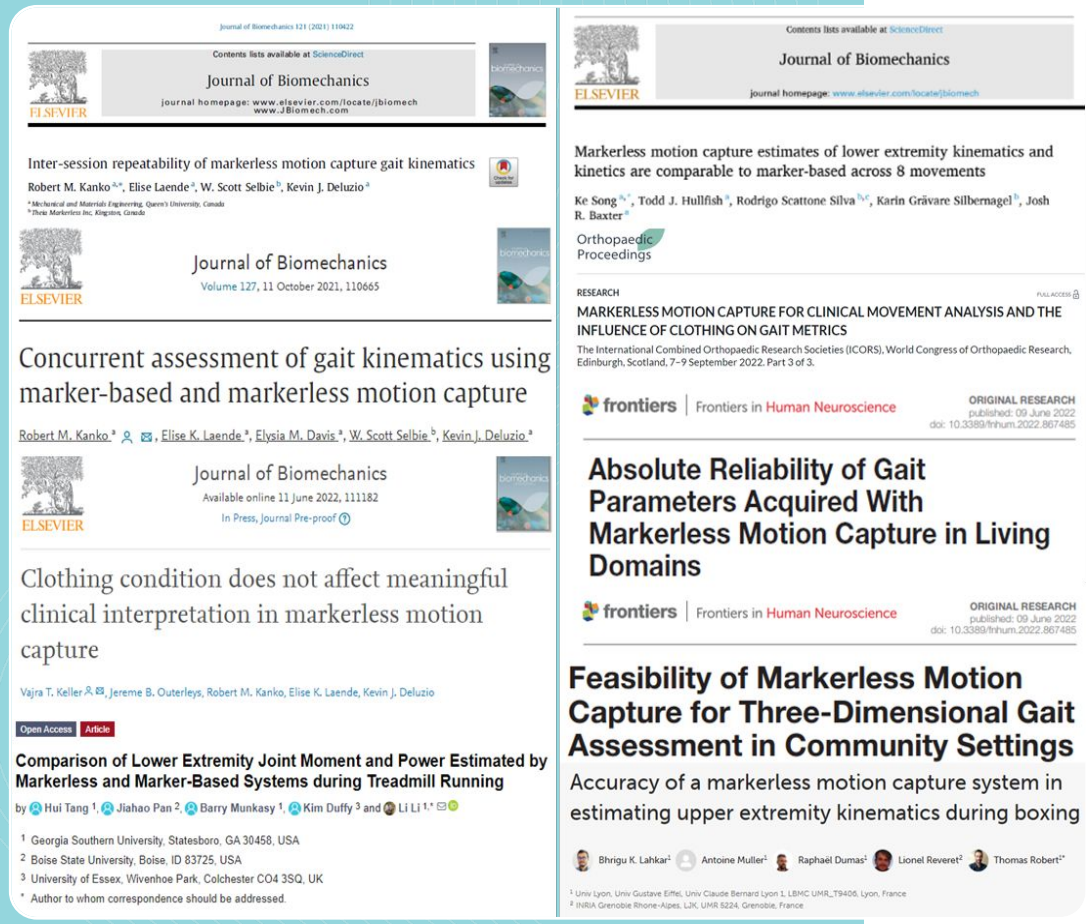
Actionable data, fast.

Automatic analysis at the same cadence as collection, providing timely actionable data (mere 30-second delay).

Streamlined usability.

Successfully deployed in a variety of environments, Theia enables data collection where it matters (>500 sites).

Theia allows users to collect what they want, where they want, with the level of accuracy that they are used to.



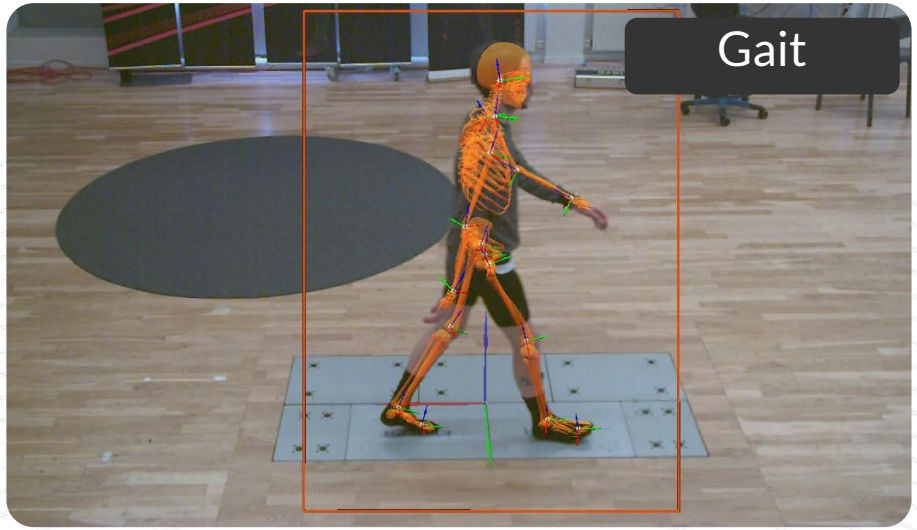
RESEARCH

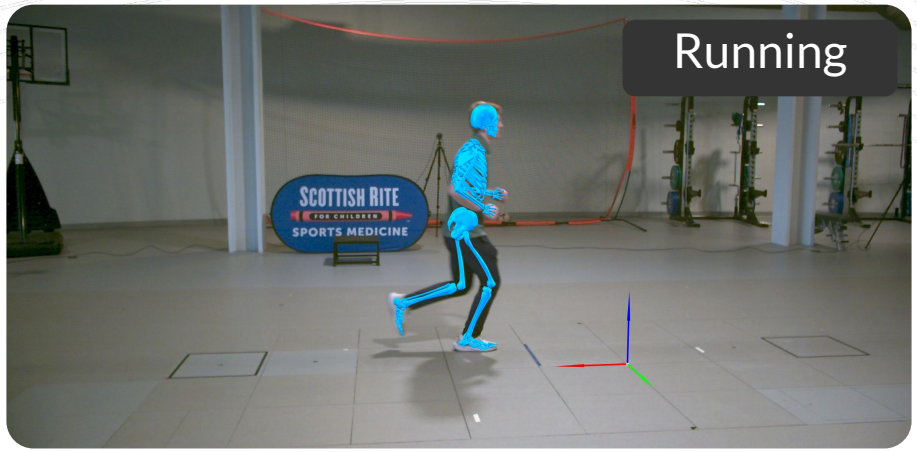
A commitment to innovation

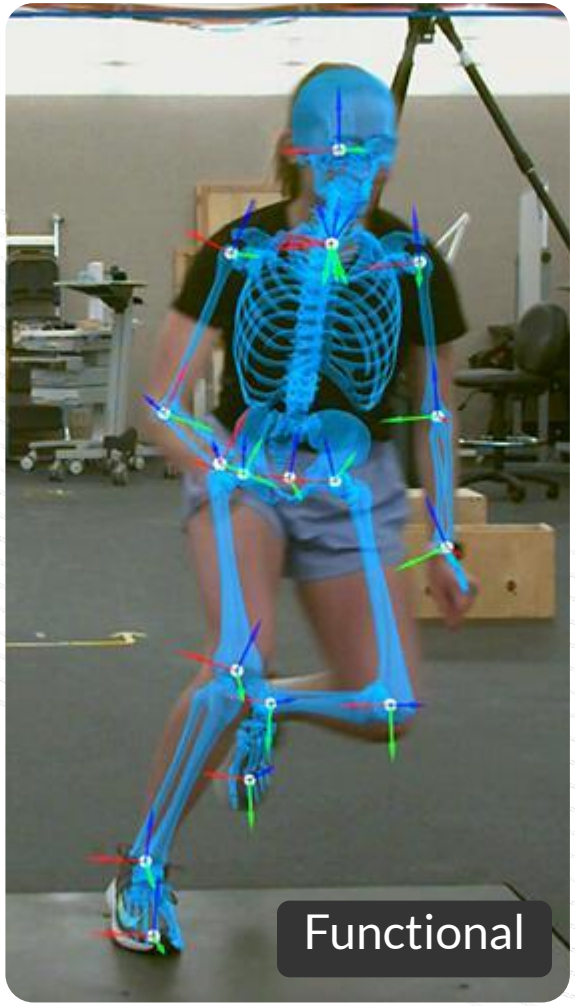
- Research driven excellence
- 30+ peer reviewed validations
- Biomechanics expertise
- Unmatched market credibility

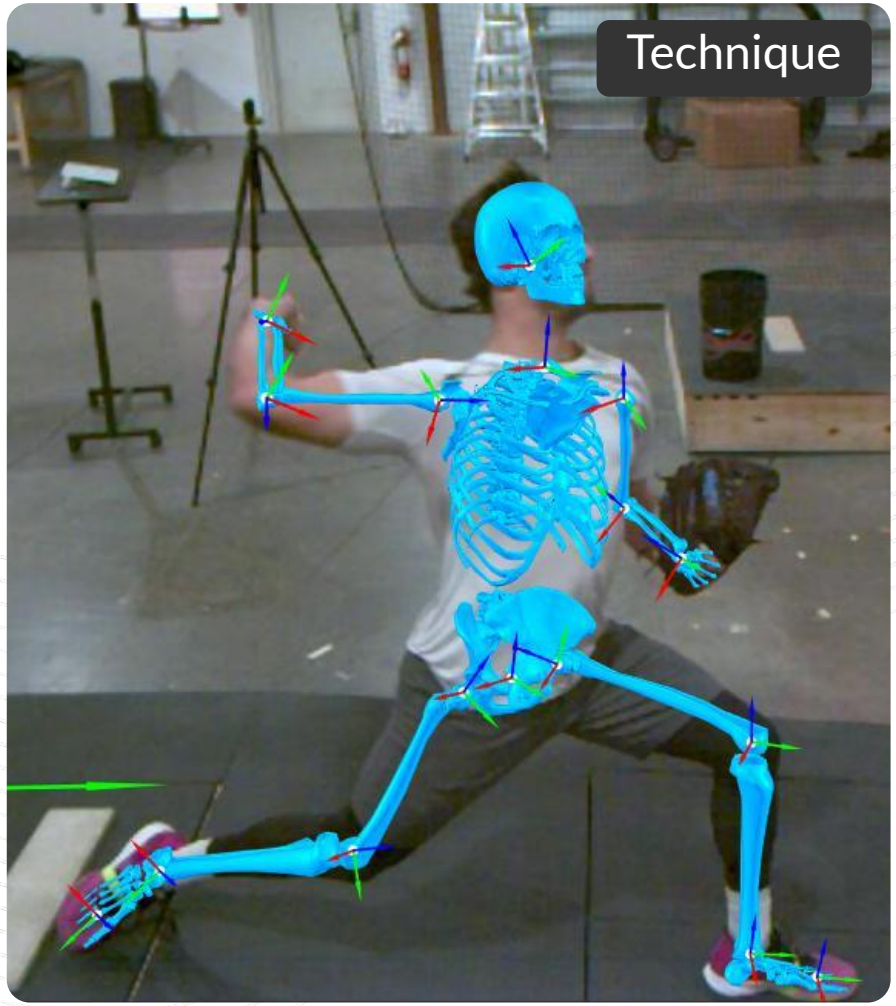
State-of-the-art demonstrated through extensive third-party, peer reviewed validations.

Use cases









Variety of environments, different motions.