WHAT'S IN AN
EMG System?

Full Bandwidth Signal
Capture the **full EMG spectrum** – anything less will limit your scope

low noiSe eleCtroniCS
a noisy baseline will hide **small EMG signals** – if you can't see it, you can't use it

SynChronized SignalS
Poor channel synchronization gives **false muscle timing** – don't be burdened by 'bad timing' when looking at **multiple muscles**

Fixed SPaCing
eMg signal changes with electrode spacing – our patented **parallel bar design guarantees consistency**

low CroSStalk
disc sensors and large spacings are prone to crosstalk – get a clear picture with **10 mm spacing**

low artiFaCtS
Motion and Static Artificats can **disrupt EMG data** – invest in technologies that **suppress** these disturbances

high Fidelity
insist on **faithful signal presentations** – signal distortions, unwarranted filtering and dropped packets can obscure the truth

integration oPtionS
leverage your lab equipment – **digital integration, analog connection, triggering, multiple file exports** and **SDK** options allow integration with other measurements

STABLE, RELIABLE, SCALABLE & ADAPTABLE RESEARCH-CENTRIC
Wearable Sensors for Movement Sciences

neurological disorders

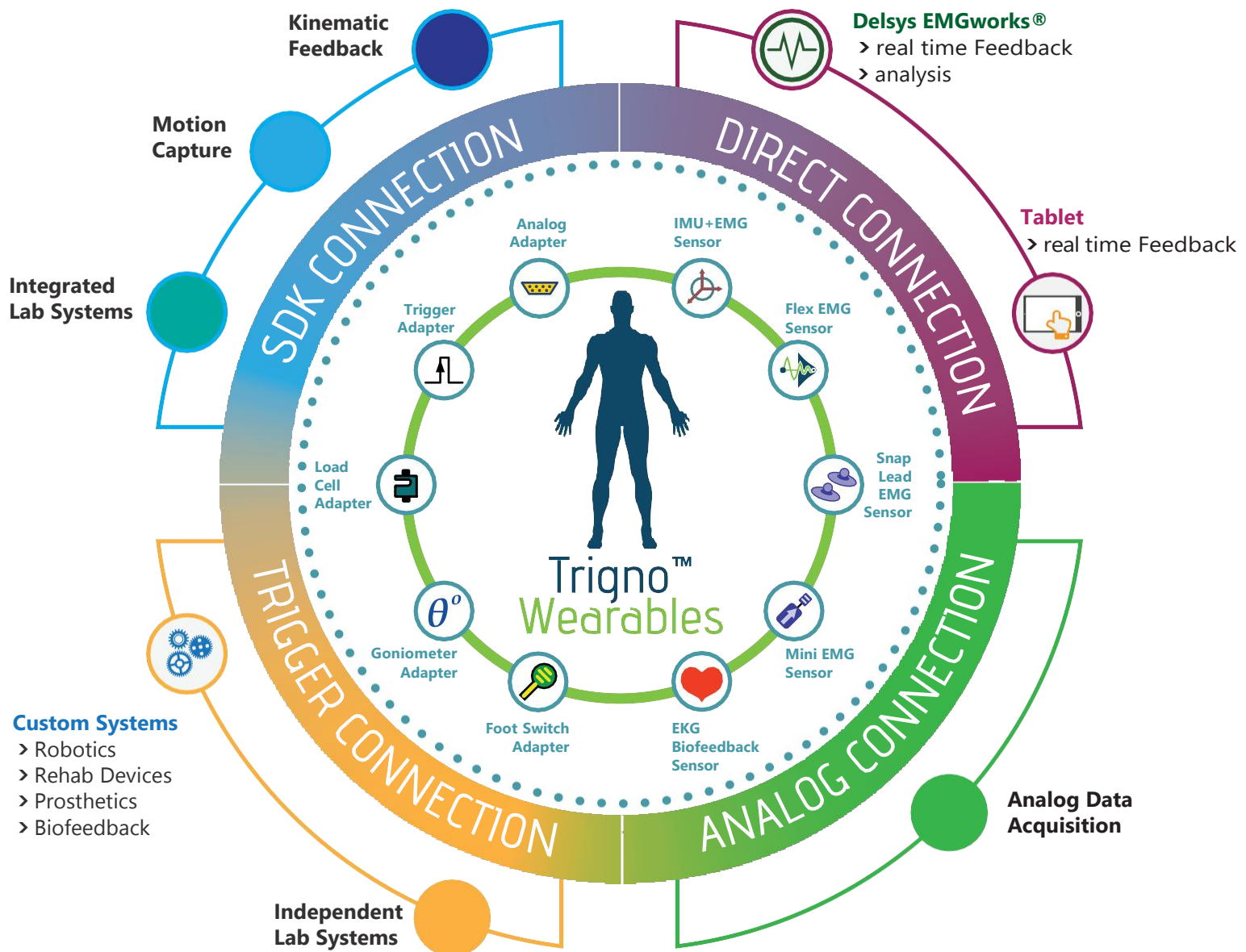Sports Performance

rehabilitation and gait

robotics and Prosthetics

Motor Control

⊛ DELSYS®

Trigno™ Sensors
Stability & Reliability in a World of Constant Change

Kinematic Feedback

Motion Capture

Integrated Lab Systems

SDK CONNECTION

DIRECT CONNECTION

Delsys EMGworks®
> real time Feedback
> analysis

Tablet
> real time Feedback

Analog Adapter

Trigger Adapter

IMU+EMG Sensor

Flex EMG Sensor

Load Cell Adapter

Snap Lead EMG Sensor

Trigno™ Wearables

θ^o

Goniometer Adapter

Mini EMG Sensor

Foot Switch Adapter

EKG Biofeedback Sensor

TRIGGER CONNECTION

ANALOG CONNECTION

Custom Systems
> Robotics
> Rehab Devices
> Prosthetics
> Biofeedback

Analog Data Acquisition

Independent Lab Systems

SDK CONNECTION

Integrated Lab Systems	Motion Capture	Kinematic Feedback
labChart	Vicon	eMMa
Ced Spike	Qualisys	iSt
labView	Motion analysis	Simi
Matlab	the MotionMonitor	
	Simi	

ANALOG CONNECTION

Analog Data Acquisition
national instruments
Matlab
Powerlab
Force Plate

TRIGGER CONNECTION

Independent Lab Systems
BioPac
labView
Matlab
tekScan

additional devices and software may be supported. For full details, please contact support@delsys.com.