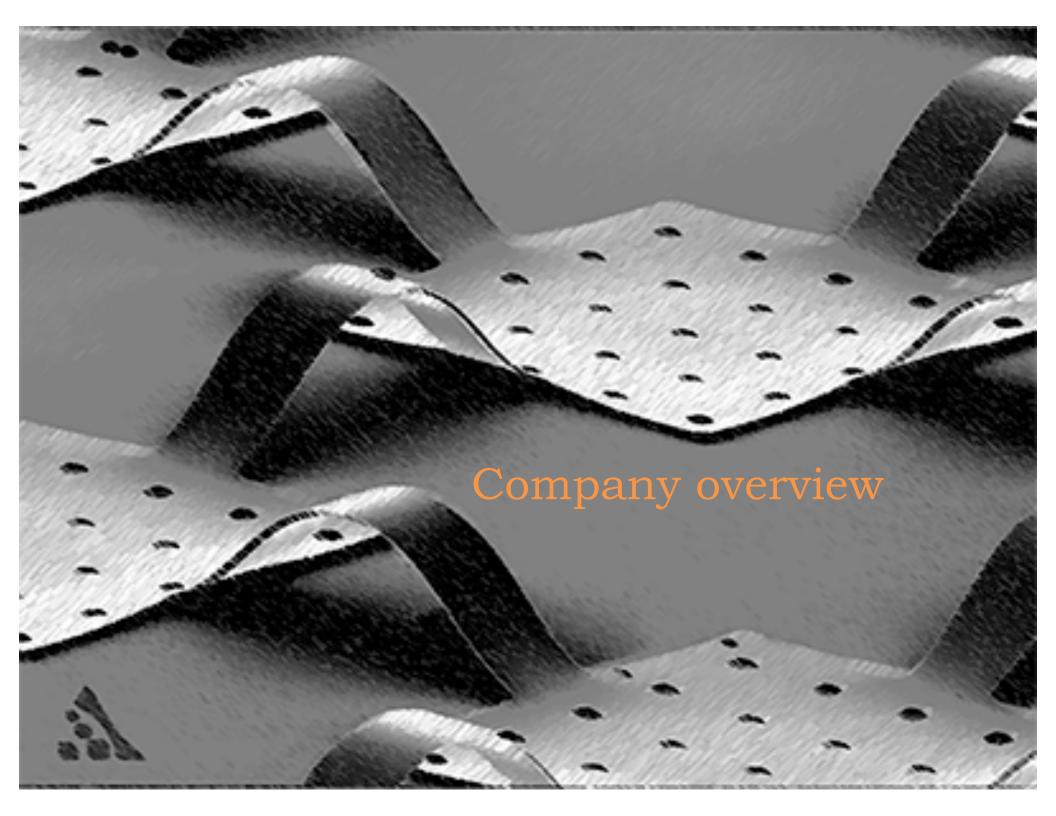


Wearable Technologies Presentation







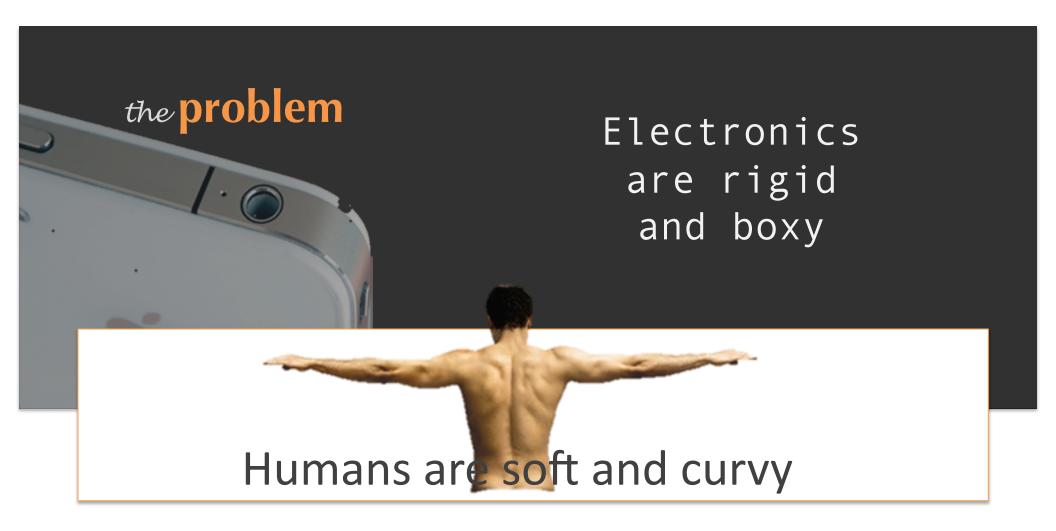
MC10 takes rigid high performance electronics and reshapes them

into humancompatible form
factors that

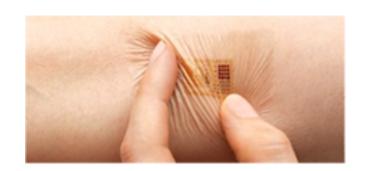
STRETCH

bend and twist to move with the body





the solution



Electronics that conform to humans.

reshaping electronics

Executive Team



Dave Icke, CEO

Advisors



John Rogers, PhD, Co-Founder



Kevin Dowling, PhD, VP of R&D



Marvin Slepian, MD, Co-Founder



Ben Schlatka, VP of Business Development, Co-Founder



Carmichael Roberts, PhD, Chairman



Amar Kendale, VP Strategy & Market Development



John M. Deutch, PhD

Based in Cambridge, MA

Founded in 2008

~30 full-time employees

Venture Capital Partners

Strategic Partnerships













Fact

SHEET

Meet our

TEAM



The Economist

ASTRONG

and growing brand

For years engineers have dreamed of [electronics] that would bend and stretch.

Recognized in Popular Media....

Electronic 'skin' can monitor your heart [and] look and feel more like part of your own body.

The New Hork Times

66 "Epidermal electronics" may enable constant medical monitoring anywhere.

















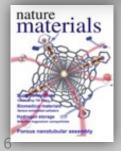


























MC10 RECENT

press and awards



2012 Winner of the semiconductors and electronics category





SCIENTIFIC AMERICAN

World Changing Ideas

WORLD ECONOMIC FORUM



2013 World Economic Forum Technology Pioneer



APPLICATION

areas









OUR MISSION



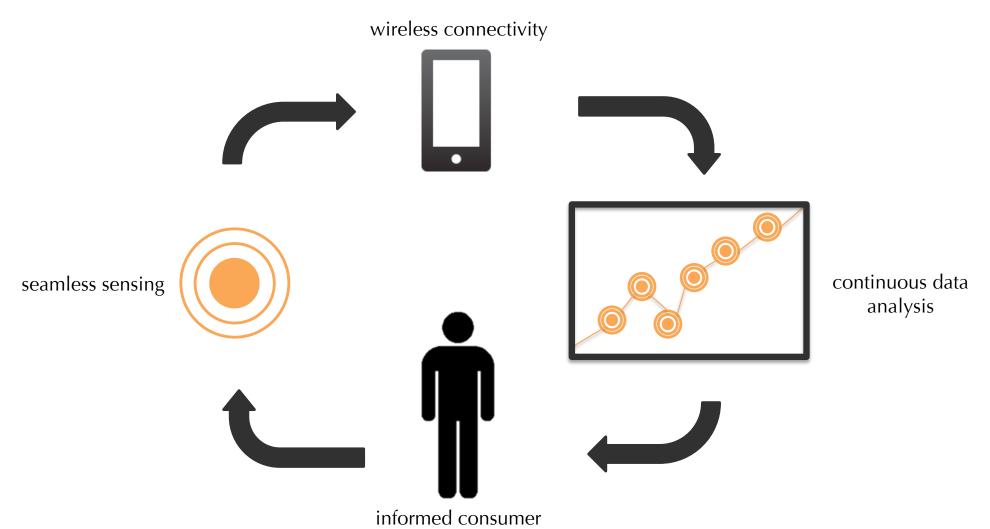
To put best-in-class healthcare support

(typically received from a healthcare team)



DIGITAL HEALTH

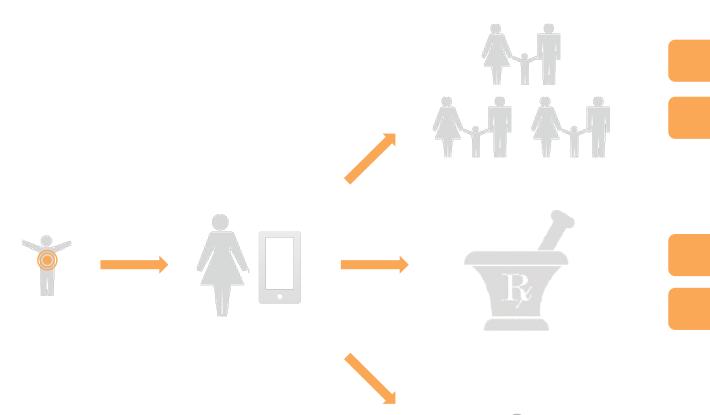
e c o s y s t e m





DIGITAL HEALTH

e c o s y s t e m



Friends & Family

Community

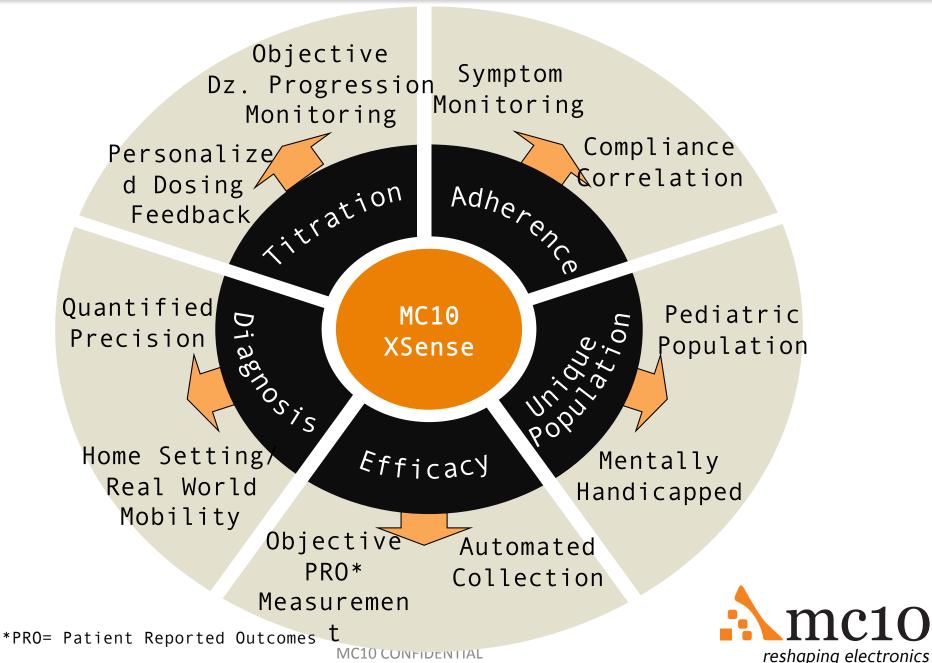
Drugstores

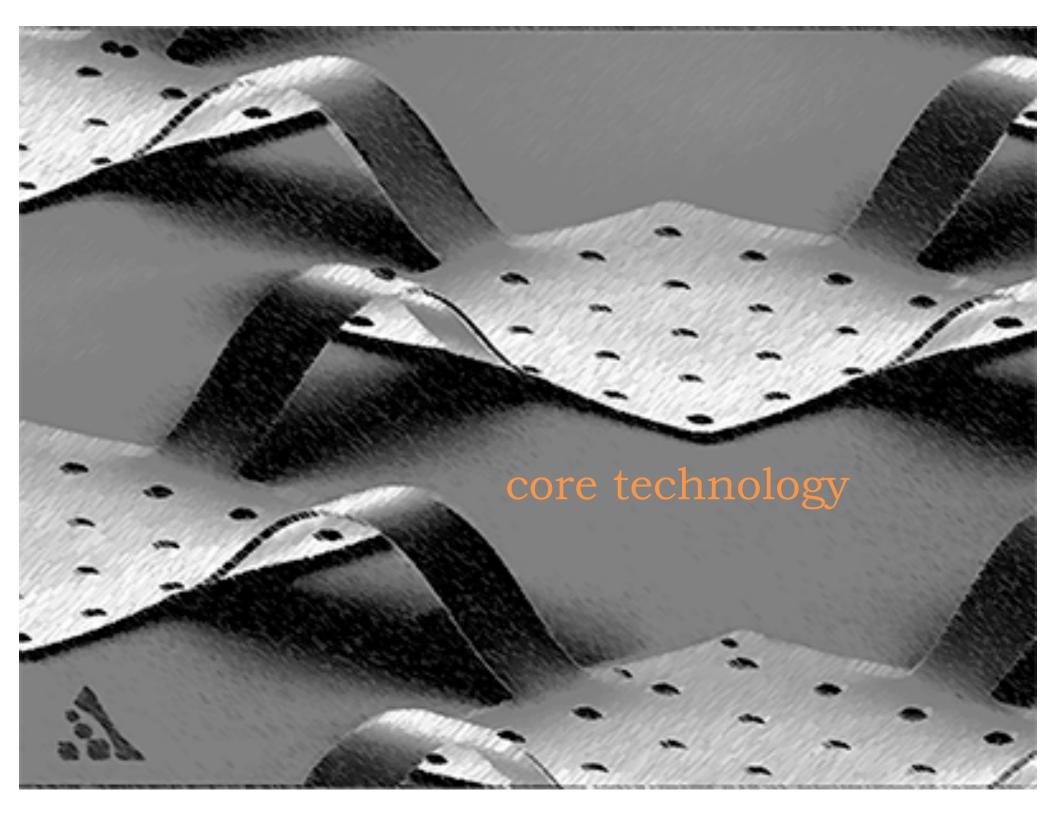
OTC Manufacturers

Medical Providers



PHARMA applications





C O R E t e c h n o l o g y

MC10 Approach: Based on Three Concepts





Idea #1: Thinning and Embedding



Idea #2: Microtransfer



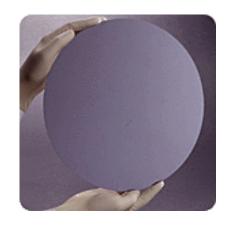
Idea #3: Stretchable Interconnects and Encapsulation



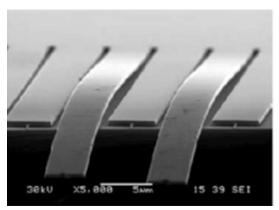


Idea #1: Thinning and embedding

THINNING

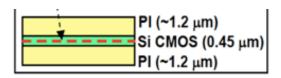


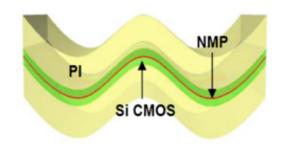


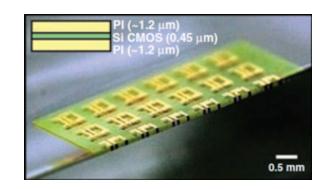


Thinning silicon makes it flexible.

EMBEDDING







By embedding silicon into composite polymer film, system becomes extremely tough and durable.

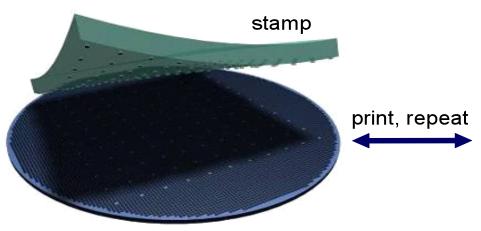




Idea #2: Microtransfer

C O R E t e c h n o l o g y

reshaping electronics



interconnect

Arrays of undercut iLEDs on Wafer

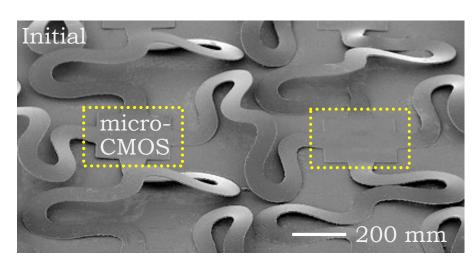
plastic sheet

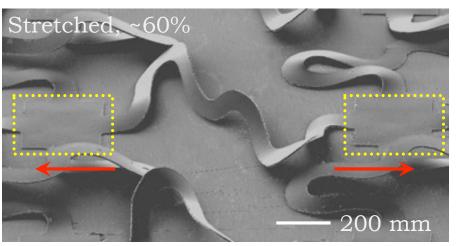


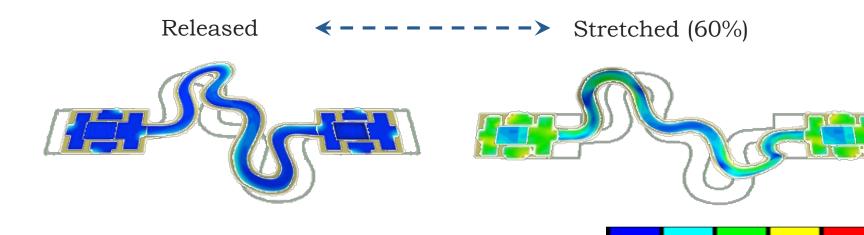


Idea #3: Stretchable Interconnects

C O R E t e c h n o l o g y

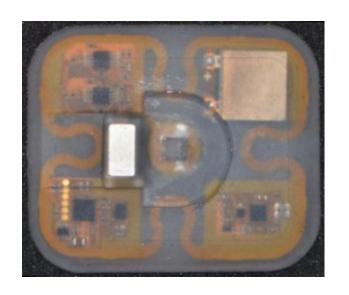


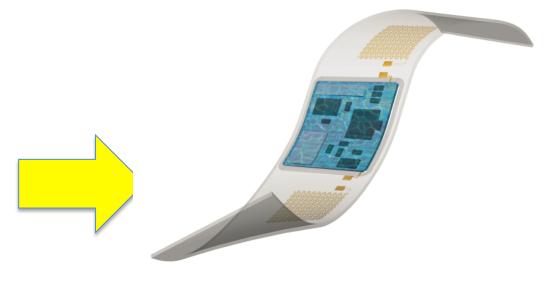






B E Y O N D P A C K A G E S





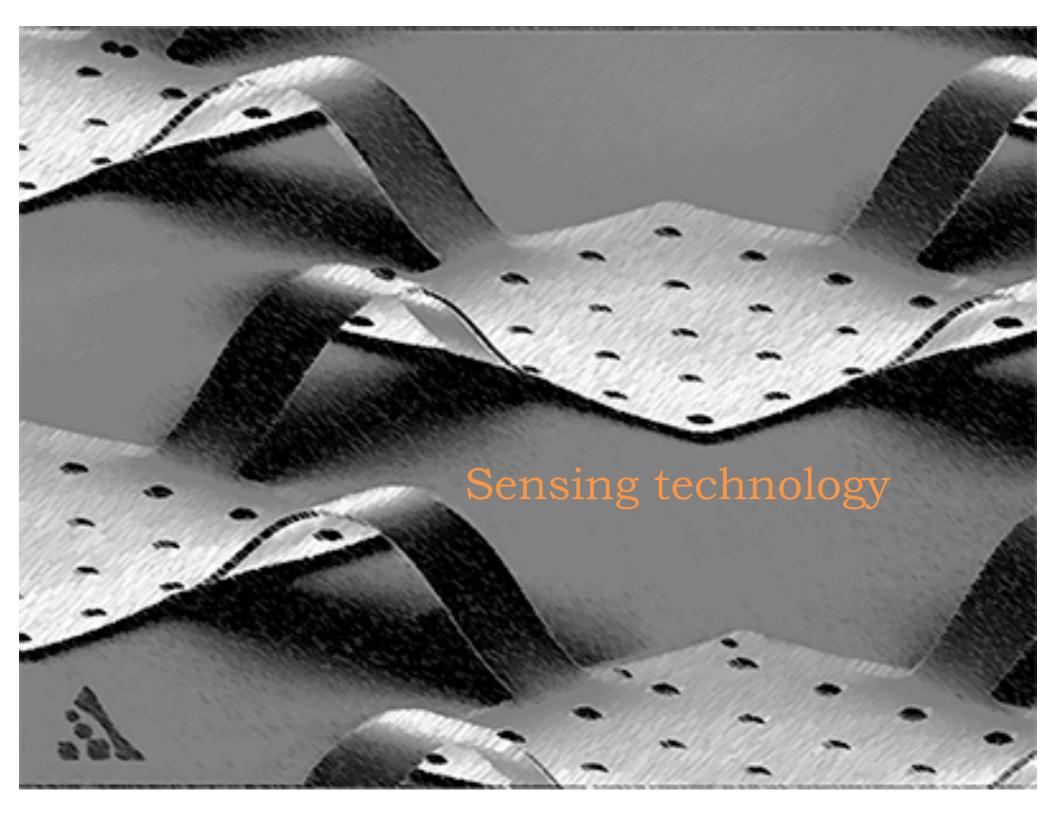
Conventional

- Packaged chips
- Large solder pads
- Stiffened islands
- Die-cut flex

Innovative

- No packages
- Low footprint die attach
- Flexible and stretchable throughout volume





Skin Hydration & Firmness

Onboard hydration and skin stiffness sensors measure skin properties

Temperature & Galvanic Skin Response

Superior thermal and fluidic transport, prevents "hot spots" and sweat build-up that causes inaccuracies

UV and SPF

UV and SPF sensing on the body to prevent sun damage

EEG

s e n s i n g

SEAMLESS

Monitoring and tracking of behavioral health, brain and nerve activity, and stress

EKG

Diagnosis and monitoring of chronic conditions such as cardiac arrhythmias

Heart Rate

Continuous monitoring of vital signs such as heart rate enables wholehealth profiling, versus today's standard of sporadic sampling

EMG

MC10 Confidential

Capture of local muscle activation for rehabilitation, motion study, and tone assessment

Gait & Weight Distribution

Analysis of distribution of pressure, gait characteristics, and weight

Accelerometer & Gyroscope

Superior mechanical coupling to the body, reduces motion artifacts that cause noise



PRODUCT o a d m a p

TEMPSENSE

infant temperature monitor

CHECKLIGHT

sports impact indicator

HYDRASENSE sports hydration

monitor

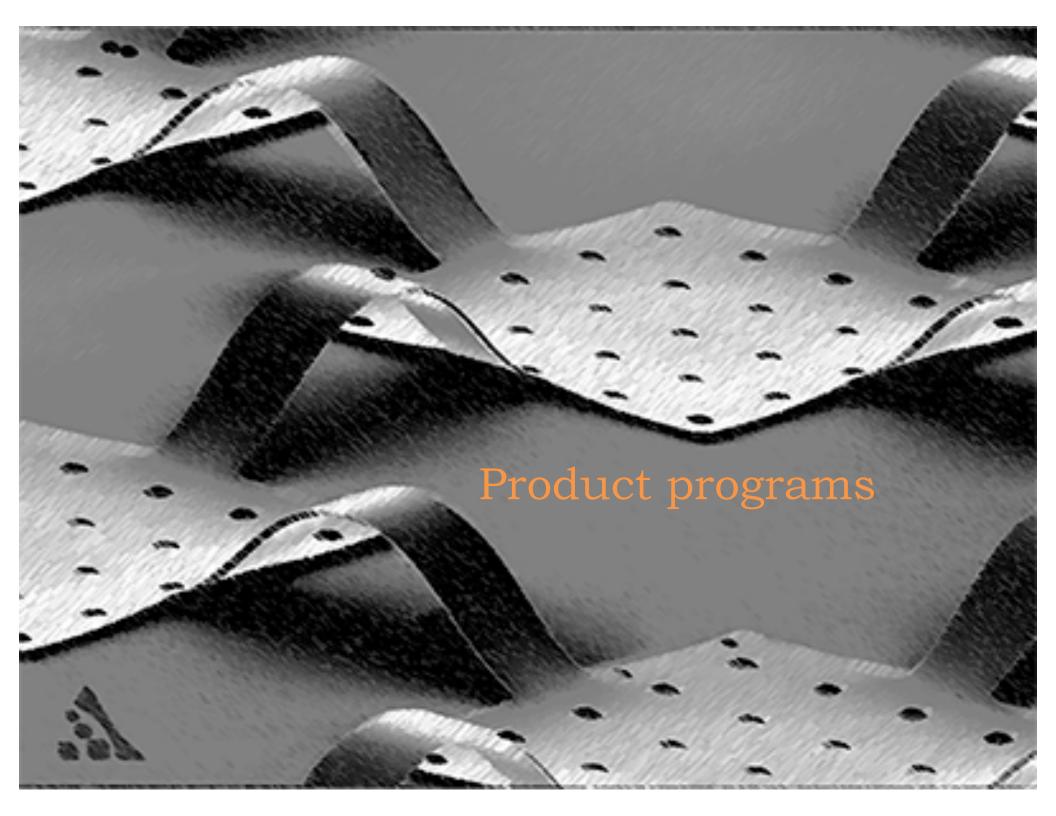
MOTIONSENSE muscle and motion measurement

HEARTSENSE

heart rate and motion measurement

NEUROSENSE brain and motion measurement





SPORTS IMPACT

in dicator





CHECKLIGHT

Reebok-MC10





MC10 CONFIDENTIAL

TEMPSENSE

fever



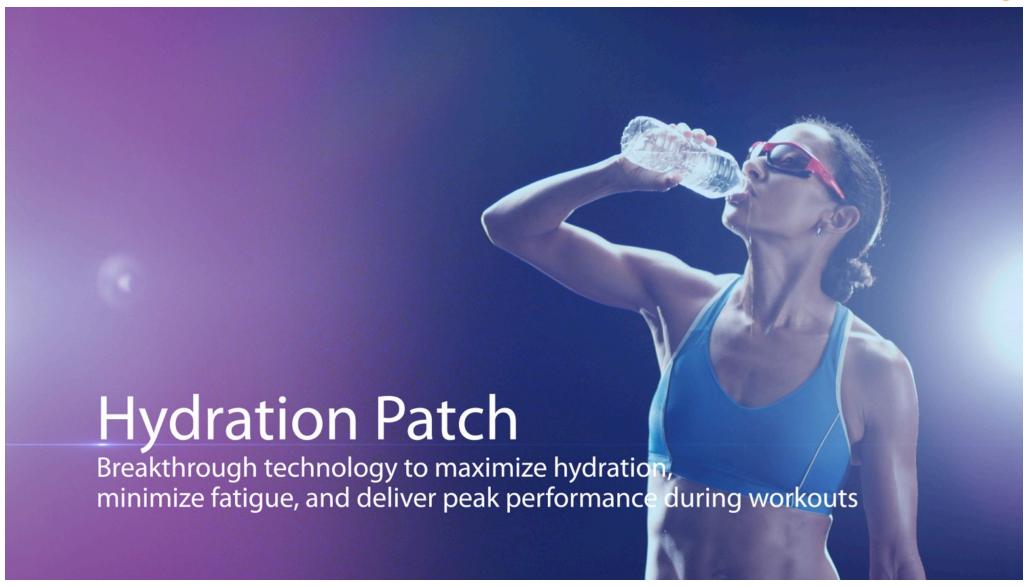
TEMPSENSE

m o n i t o



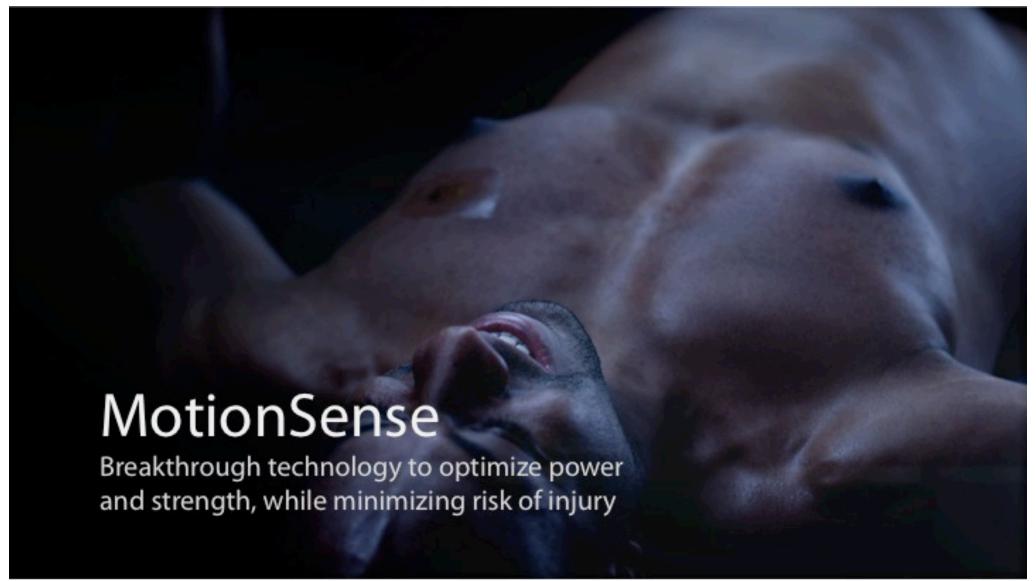


HYDRATION monitoring

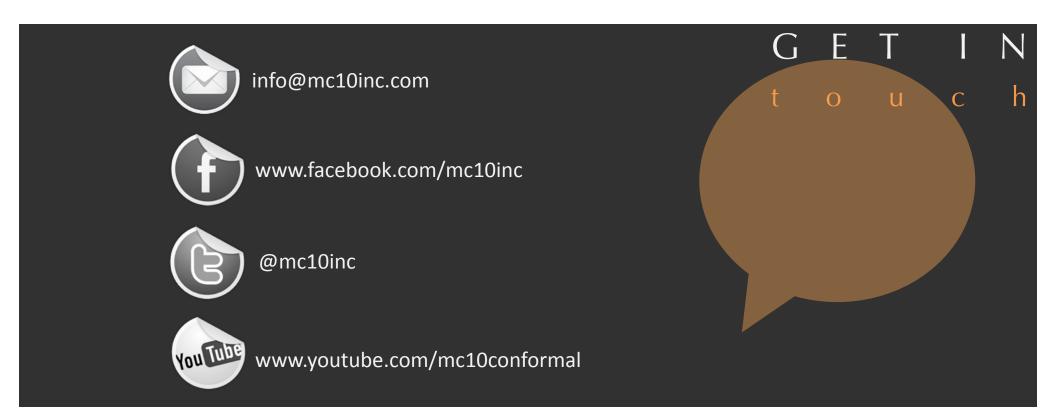




PEAK STRENGTH m o n i t o r i n g







Ben Schlatka VP Business Development bschlatka@mc10inc.com



MC10 extends human capabilities through virtually invisible and conformal electronics. We reshape rigid, high performance electronics into human compatible form factors that stretch, bend and twist seamlessly with the natural world. MC10 is headquartered in Cambridge, MA. Visit MC10 online at www.mc10inc.com.

