

USOC Tech & Innovation Fund – Background

- Technology/Innovation Fund \$1 million sourced from private investor donations
 - Investors now key partners in project review and assessment

- Engagement with USOC High Performance Directors to identify projects:
 - Performance Impacting
 - Initiated 2016
 - Fully supported by NGB Performance staff

- Identified over 40 potential projects
 - Prioritized 14 to begin 2016-2017
 - Allocated \$710,000 to date
 - Includes both Winter and Summer Sports
 - Emphasis on collaboration and integration into NGB Performance Plan

USOC Tech & Innovation Fund – Key Themes

Collaboration	Delivery	Assessment
<ul style="list-style-type: none">• External engagement with National Governing Bodies, identifying needs and performance impacting solutions• Internal engagement with High Performance Directors, leverage their expertise and Sport relationships• Maximize USOC expertise and existing best practices<ul style="list-style-type: none">• Sports Medicine Elite Athlete Health Profiles• Data Analytics and Modelling• Science Leadership and Execution	<ul style="list-style-type: none">• Move from concept to action• Leverage existing USOC partnerships IBM, Arrow, MIT, Southwest Research Institute• Partner more closely with Technology Group leadership to drive performance impacting solutions• Identify the need, agree the solution and get it done	<ul style="list-style-type: none">• Define “what good looks like”• Determine an appropriate return on investment• Review and ongoing project reporting

USOC Tech & Innovation Fund Current Projects 'Active & Funded'

Sport	Program Focus	Cost	Status
Track & Field	Long jump take-off velocity	\$38,000	In Progress
Multi-Sport	Hamstring resilience and injury prevention	\$25,000	In Progress
Multi-Sport	Elite athlete health monitoring app	\$35,000	In Progress
Fencing	Virtual reality scenarios to create modulated stress and anxiety levels	\$18,000	In Progress
Skeleton	Real time feedback for steering and performance	\$100,000	In Progress
Ski & Snowboard	Race suits, Vulcan Vision, GPS/Accelerometer/Gyro to track performance runs, auto-tracking cameras, virtual reality	\$84,000	In Progress
Track & Field	Flight tracking for Discus and Javelin	\$30,000	In Progress
Combat Sports	Real time performance analysis during competition	\$60,000	In Progress
Luge	R&D on topical coating on new steel runners	\$25,000	In Progress
Trampoline	Time of flight evaluation	\$50,000	In Progress
Bobsled	4-man bobsled redesign for USA 1	\$100,000	In Progress
Multi Sport	Neuro priming research project using Halo Technology	\$25,000	In Progress

USOC Tech & Innovation Fund Current Projects “Active and Funded”

Sport	Program Focus	Cost	Status
Rowing	Athlete monitoring and boat instrumentation	\$100,000	In Progress
Cycling	Enhance IBM track project by overlaying data onto video at both CS velodrome and CV BMX track	\$20,000	Q3 2017
TBD	Reserve funding – to be allocated in Q3 2017	\$40,000	Q3 2017