

FIRSTBEAT

JOHTAVAA SYKETEKNOLOGIAA





PRODUCTS FOR FITNESS, SPORTS AND WELL-BEING

CONSUMER PRODUCTS

GARMIN
Recovery
Time
6
Hours
BOSCH

12:45
Non, 24 Feb

O D C GARMIN

SIMSUNG

Leading consumer brands

SPORTS

HEALTH &
WELL-BEING



300+ professional teams



100,000+ individuals organizations and well-being professionals



#1 LICENSOR FOR CONSUMER PRODUCTS

- Millions of Firstbeat inside consumer products sold
- Firstbeat is the key partner for successful heart beat based products
- We work closely with our partners for end-to-end user experience
- Firstbeat enables enhanced user experience, better accuracy and quality
- Today 25 consumer products

















































FIRSTBEAT HEARTBEAT ANALYTICS IN GARMIN FR620



GARMIN

Features from Firstbeat:

- Fitness level estimation
- Training effect
- Recovery time
- Energy expenditure
- Automated personalization

Number #1 device for runners!



GARMIN



FIRSTBEAT HEARTBEAT ANALYTICS IN SAMSUNG



Gear Fit

Gear 2

Gear 2 Neo

Galaxy S5

Features from Firstbeat:

- Real-time coaching
- Training Effect
- Personalized workout advice

GSMA award: "The best mobile device at MWC""Where it differs from a smartwatch is that it offers real-time fitness coaching, personalised advice and recommendations."









ECG VS. OPTICAL MEASUREMENT









FIRSTBEAT

FIRSTBEAT SOLUTIONS IN PROFESSIONAL SPORTS





PRODUCT OVERVIEW

Firstbeat SPORTS is heart beat analysis based system for monitoring the training load and recovery

- Monitor player's individual training load in real time
- Detect early signs of overtraining and incerased risks for injury
- Optimize the performance of the players and the whole team
- Apply objective data in critical training decisions





AT THE HEART OF SPORTS





OVER 300 PROFESSIONAL SPORTS TEAMS AND TRAINING CENTERS TRUST IN FIRSTBEAT

TEAM SPORT

- •Buffalo Sabres Ice Hockey
- Pittsburgh Penguins Ice Hockey
- •JYP Ice Hockey
- •HJK Helsinki Soccer
- •Liverpool FC Soccer
- •Spain National Team Soccer
- •France National Team Rugby
- •Sweden National Team Handball
- Eskilstuna GUIF Handball
- •Chicago Bulls Basketball

TRAINING CENTERS AND INSTITUTES

- •SWISS Olympic training center Magglingen
- •KIHU Research Institute for Olympic Sports
- CAR Sierra Nevada
- •St. George's Park
- Stanford University
- University of Madrid
- Bejing Sports University



SOCHI 2014: 25 MEDALS "TO FIRSTBEAT"























WHY TO MEASURE?

"We are using the Firstbeat SPORTS system with Boca Juniors team to track players' workload and recovery **to help us minimize injury risk** and maximize performance and fitness benefits of our players"

Boca's Team Doctor Pablo Ortega Gallo





...WHY TO MEASURE

Gallo, Pablo Ortega & all. The epidemiology of injuries in a professional soccer team in Argentina. Int. SportMed J. 2006: 7(4): 255-265.

2 year follow-up study on injuries of the Boca Junior players:

- Total 391 injuries
- 9.5/player, on avegare 9 days off from training/games
- Total 1442 days OFF
- 10% of the players were off in each week.

"Injuries produce considerable economic and performance losses for a soccer team and probably long lasting consequences for the health and sport career of a soccer player. "

ECONOMIC PERSPECTIVE:

Players in Premier league earns 30 000£ / week Employees in UK earns: 26 500£ / year





STRESS AND RECOVERY ASSESSMENT

- Professional athletes train up to 25 hours a week
- How the rest 143 hours/week are affecting on body?

Jetlag Travelling Massage Nutrition Ice-baths Media

Cryotherapy Daily routines Naps Alcohol work Pressures



Discover the cause-effect relationships for performance and recovery

