



## PRESS RELEASE

### LETI TO DEMONSTRATE UNIVERSAL AFFORDABLE BIKE-PEDAL POWER METER AT CES 2017

*PUSH Helps Improve Pedal-stroke Efficiency and Technique  
For Professional and Weekend Athletes*

GRENOBLE, France – Dec. 12, 2016 – Leti, a technology research institute at CEA Tech, will demonstrate the first bicycle-pedal power meter under \$100 at CES 2017 that measures both strength applied on the pedal and pedaling cadence, and then combines them to deliver the cyclist's power output in real time.

The PUSH pedal also features embedded power metering, which differentiates between a real pedal stroke and other movement and only measures the former. A single PUSH pedal provides reliable power metrics and it works perfectly either way up.

With integrated sensors, Leti's PUSH pedal includes embedded signal-processing algorithms to deliver power estimation with 8-percent accuracy.

"PUSH, which is the first cycling power-metering technology under \$100, opens multiple cycling improvement-monitoring options, including performance, pedal-stroke efficiency and technique," said Swan Gerome, Leti Business Development Manager.

"It also paves the way for accurate and real-time performance measurement for either professional or weekend athletes and can open new markets with its easy-to-install configuration, compatibility with indoor / outdoor bikes and affordability for manufacturers" Swan Gerome said.

Features include:

- Four-year-plus average battery life/6,500 miles equivalent
- First easy-to-install solution
- No calibration required
- Fits all indoor/outdoor bicycles and e-bikes
- Delivers direct power metrics

***Leti's team will demonstrate its breakthrough technologies at Booth 50648-50650, in Eureka Park.***

Leti is a member of the French Auvergne-Rhône-Alpes regional delegation at CES 2017. For more details, click on the link: [http://www.minalogic.com/sites/default/files/plaquette\\_ces2017\\_version\\_finale.pdf](http://www.minalogic.com/sites/default/files/plaquette_ces2017_version_finale.pdf)

#### ***About Leti (France)***

*Leti, a technology research institute at CEA Tech, is a global leader in miniaturization technologies enabling smart, energy-efficient and secure solutions for industry. Founded in 1967, Leti pioneers micro- and nanotechnologies, tailoring differentiating applicable solutions for global companies,*



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*SMEs and startups. Leti tackles critical challenges such as healthcare, energy and ICTs. From sensors to data processing and computing solutions, Leti's multidisciplinary teams deliver solid expertise, leveraging world-class pre-industrialization facilities. With a staff of more than 1,900, a portfolio of 2,700 patents, 91,500 sq. ft. of cleanroom space and a clear IP policy, the institute is based in Grenoble, France, and has offices in Silicon Valley and Tokyo. Leti has launched 60 startups and is a member of the Carnot Institutes network. Follow us on [www.leti.fr/en](http://www.leti.fr/en) and @CEA\_Leti.*

*CEA Tech is the technology research branch of the French Alternative Energies and Atomic Energy Commission (CEA), a key player in innovative R&D, defense & security, nuclear energy, technological research for industry and fundamental science. In 2015, Thomson Reuters identified CEA as the most innovative research organization in the world. [www.cea.fr/english](http://www.cea.fr/english).*

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