IDENTIFICATION...

...every second

Whether in private life or business life, every person who has left a trace on the Internet can be deciphered by the high-tech eyewear. Names, credentials, personal interests—data can be ascertained immediately. The person a user is talking to is instantly identified via facial recognition, and the Internet supplies additional information, primarily from social networks. Facial recognition technology could even replace the reading of smart cards in the near future. But for Google, this feature is not yet allowed.

YOHANN LEGRAND
Managing director
REALITYSUP CIE
CAPITAL: $6 million
FOUNDED: March 2013
SECTOR: OPTICAL MICROTECHNOLOGY

HIGH-TECH NAVIGATION FOR...

...pedestrians and cyclists

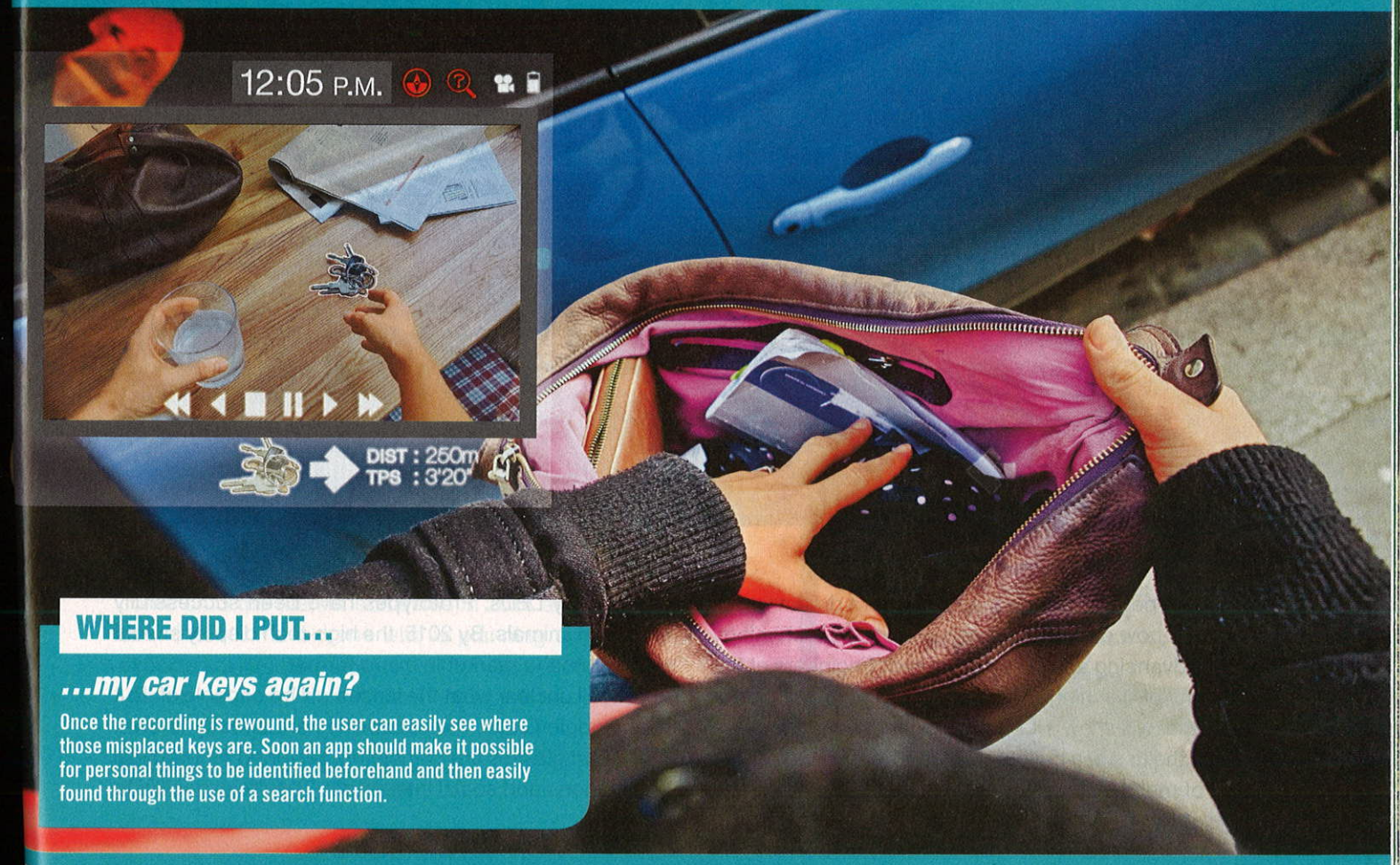
The new GPS-enabled smart glasses make many things easier. With them, making trips using various means of transportation becomes less complicated. There is no need to stop and look at a map or change the app. A single application guides the way. Planned features: Not only will the device direct a user to a specific destination, it will also show the location of other users with the same software, GPS, and compass in real time.

SPEED: 7.5 mph
DISTANCE TRAVELED: 4.3 mi
DIFFERENCE IN ALTITUDE: 216 ft
AVERAGE SPEED: 8.8 mph

LIFE-SAVING FUNCTION...

...and complete control

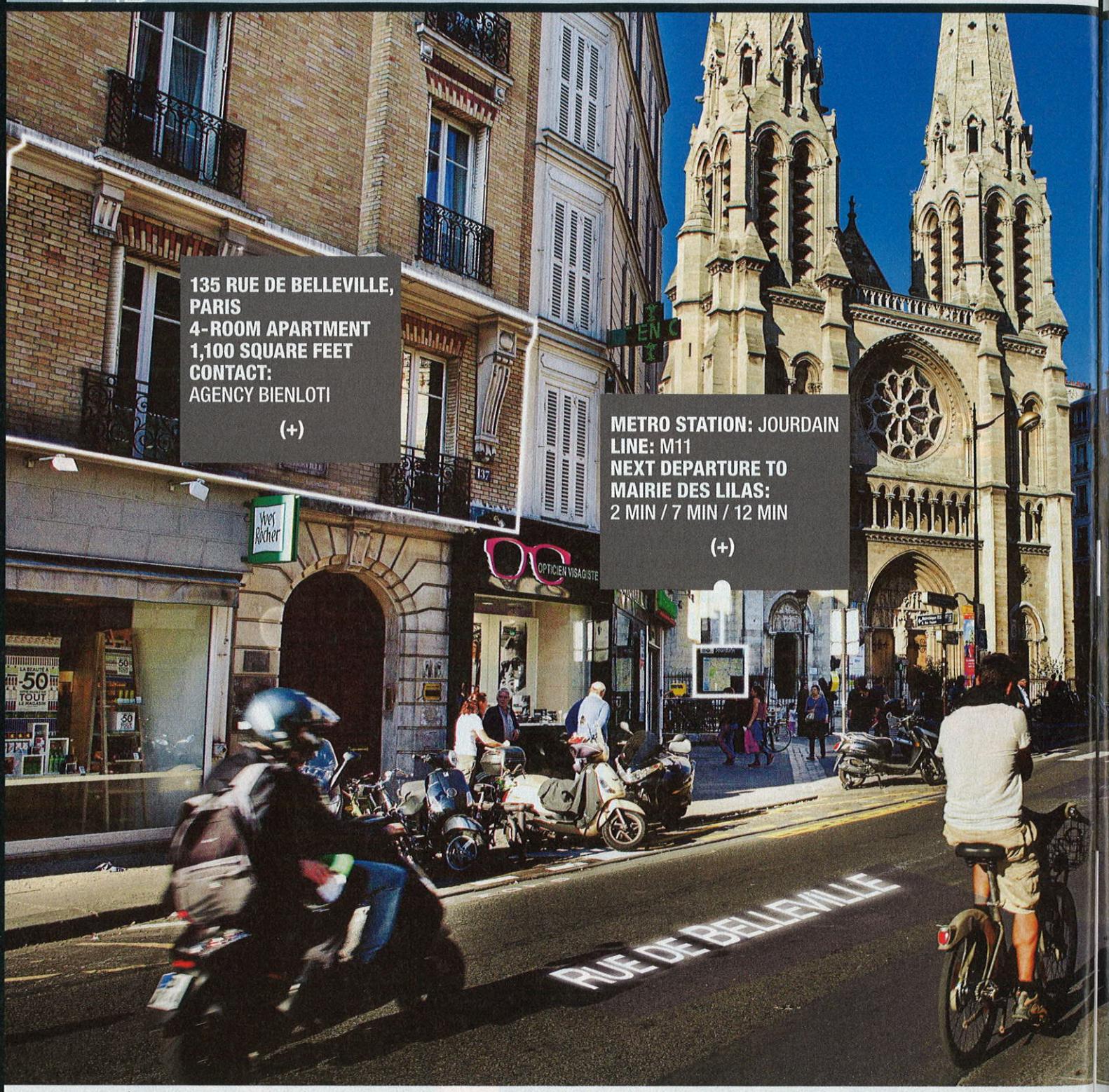
Temperature, pulse rate, and respiratory frequency—the infrared sensors of the smart glasses can measure a person's vital functions and compare them with the stored normal values. An ideal function for parents. The infrared sensors offer even more benefits: Users can distinguish between different sources of heat in the dark, which would be helpful in the search for a missing person, for example. Or users can be sure they won't burn their mouth on soup that's too hot.



WHERE DID I PUT...

...my car keys again?

Once the recording is rewound, the user can easily see where those misplaced keys are. Soon an app should make it possible for personal things to be identified beforehand and then easily found through the use of a search function.



Critics fear people will lose themselves in a dream world. No matter how our psyche deals with it, the technology is now advancing at breakneck speed: Engineers at the University of Washington are developing bionic contact lenses that will show information right in front of the eye through the use of a built-in display. The lens circuits are made of metal that is only a few nanometers thick and contain tiny LEDs. Prototypes have been successfully tested on animals. By 2015, the high-tech display should come onto the market in micro format.

It is still unclear what the lenses will be capable of. But with Google Glass, the capabilities are already known. The smart glasses are completely designed for practical applications and social interaction. They're expected to