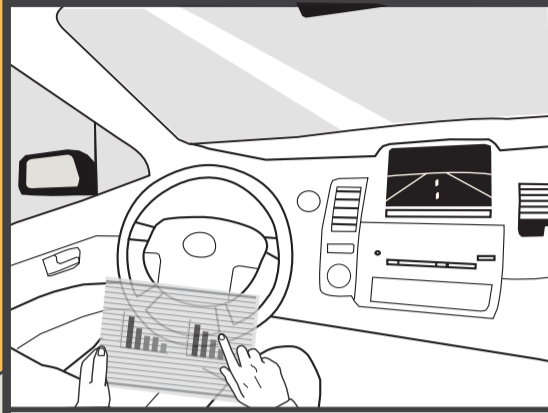


INTERSECTION OF TECHNOLOGIES

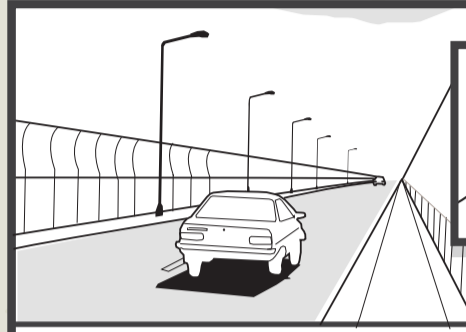
Today, every idea, experience, interaction and transaction can be instantly stored, shared, analyzed and re-purposed. Technology helps us find smart ways to use data, create remarkably efficient ways to solve problems, overcome barriers, find new truths and create a mesmerizing future to live in. The change is happening at the intersection of technologies. Tomorrow's technologies are enabling artificial intelligence, new generation materials and digital substitutes, and context-aware and augmented systems.



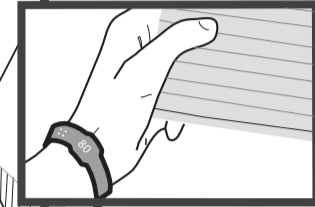
CREATING BREAKTHROUGH APPLICATIONS AT THE INTERSECTION OF TECHNOLOGIES



J SETS HIS CAR TO SELF-DRIVE MODE, AS HE DRIVES TO CLEVELAND CLINIC. HE PULLS UP A PRESENTATION THAT IS DUE TOMORROW AT WORK, ON HIS HOLOGRAPHIC TABLET.

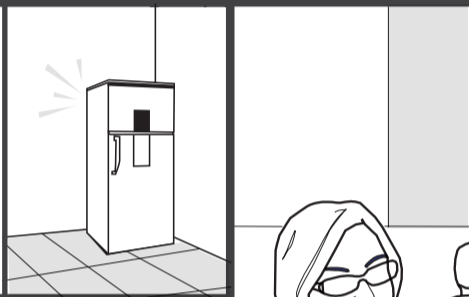


MEANWHILE, J'S CAR BUILT IN WITH TELEMATICS IS CONSTANTLY EXCHANGING INFORMATION WITH THE CAR INSURANCE COMPANY, OPTIMIZING THE PRICE POINT FOR J AND THE COMPANY.



IN THIS HIGH-TECH CITY, J'S CAR IS NOT THE ONLY SENSOR MONITORING HEALTH. THE BRIDGE THAT J'S DRIVING ON HAS A SELF-CHECK SENSOR, THAT WILL ALERT AUTHORITIES ON ANY POSSIBLE WEAKNESS ON THE BRIDGE, SEVERAL DAYS IN ADVANCE.

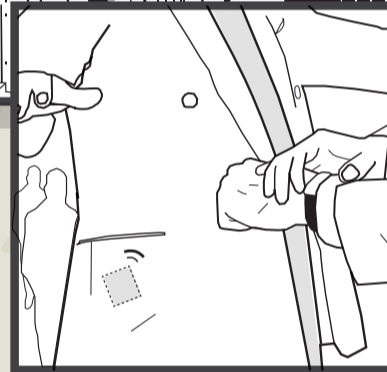
A FEW MILES AWAY, KATHY'S REFRIGERATOR HAS ORDERED A FRESH SET OF GROCERIES FROM FRESH DIRECT, WHILE KATHY IS ENJOYING DINNER OUT WITH A FRIEND AT A JAPANESE RESTAURANT.



AS KATHY FLIPS THROUGH THE JAPANESE MENU, ALL OF THE TEXT IS BEING TRANSLATED INTO ENGLISH THROUGH HER AUGMENTED REALITY ENABLED GLASSES.



AS THE SUN SETS, THIS URBAN LANDSCAPE COMES ALIVE, POWERED BY A SMART GRID RUN ON SUSTAINABLE AND TRANSACTIVE ENERGY SYSTEMS.



AGENT NEWELL CHECKS HIS SMART WATCH THAT WILL HELP SCREEN PEOPLE FOR THE HIGH PROFILE CEREMONY THAT THE MAYOR IS ATTENDING...

SMART SYSTEMS

SMART SYSTEMS HAVE THE GREATEST IMPACT ON

68% REMOTE MONITORING

63% ANALYTICS

62% DEVICE MANAGEMENT

1M

SMART DEVICES

Amazon sells over 1 million kindles a week and panasonic has developed an android app to control microwaves, air conditioning, washingmachines and blood pressure monitors.

50%

SMART TRAFFIC

Intelligent traffic control systems can make road traffic safer. An adaptive traffic system in Troy, NY, USA reduced serious injury in crashes by 50%

30M

SMART METERING

Smart energy meters can lead to an 8.7% reduction in energy consumption when real-time usage data ia available to consumers. In Italy, 30 million properties already have M2M electricity meters

435K

SMART FLEET

There are 435,000+ fleet management solutions already deployed in Europe. Scania, Mercedes-Benz and Volvo trucks are fitting fleet management as standard

WEARABLE TECHNOLOGY

CONNECTED WORLD

TOTAL CONNECTED DEVICES

MOBILE CONNECTED DEVICES

2011 9 BILLION

2011 6 BILLION

2020 24 BILLION

2020 12 BILLION

14M 171M

Wearable devices were estimated to have been shipped in 2011

By 2016, this is forecast to grow between 39 million and 171 million



31%

of the wearable technology market was in the healthcare and medical sector in 2012



61%

of all devices in the wearble market are fitness or activity trackers



69%

of adults track a health indicator for themselves or others