



THE IOT PROMISES A HIGHER LEVEL OF CONNECTIVITY TO OUR EVERYDAY LIVES. THERE HAS BEEN A LOT OF HYPE ABOUT WHAT THIS COULD BE, BUT AT THE COME WE SEE POSSIBILITIES FOR INCREASED EFFICIENCY, MIRROVED SAFETY AND MORE INTUITIVE AND PERSONALIZED INTERACTION, ALONG WITH A TREND TOWARDS COMMON PLATFORMS AND INTEREOFERBALITY ACROSS PRODUCTS AND SUPPLIESS.

Smart air quality monitors: Awair – monitors air quality using a range of sensors and adapts levels to users' personal preferences

Wireless equipment inspection: WelfAware – a technology platform consisting of sensors and communication networks that enable oil and gas companies to prioritize their inspection operations while reducing the labor and resources needed to carry out safety check.

Smart thermostats: In addition to optimizing comfort for the homeowner, and thermostats allow power companies to manage demand at peak times

Connected manufacturing: "By connecting and sharing data, all parts of the supply chain can gain greater visibility over demand and manage it more effectively" - Pinser Masons - 13 Apr 2015

Digital light: Philips Hue – connected light bulbs can monitor people in the room to manage the light level and colour and be networked to save energy or achieve a coordinated function – sales display, safety, security etc.

SUSTAINABILITY

SUSTAINABILITY IS DIVE OF THE MOST PRESSING GLOBAL CHALLENGES OF OUR TIME AND TECHNOLOGICAL BREAKTHROUGHS ARE SHOWING SOME REAL PROMISE TO HELP TRANSFORM RESOURCE INTENSE INDUSTRIES IN AN EFFICIENT AND MORE COST EFFECTIVE WAY.

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Self-destructing electronic devices: Heat activated electronic devices that self destruction to reduce materials that end up in landfill

Fully recyclable plastic: PlantBottle from Coca-Cola is made 100% from renewable plant materials

Water desalination: Water desalination and purification technology that uses uniquely absorbent carbon nanotubes to remove salt and pollutants

Energy harvesting 2.0: A high-performance rechargeable aluminium battery that's fast-charging, long-lasting and inexpensive

WEARABLE TECH

TO DATE, THE MARKET FOR WEARABLES HAS BEEN FOCUSED ON INVIVIOUAL APPLICATIONS IN HEALTH AND WELLINESS, BUT WITH LITTLE SCOPE FOR MINISTES TO TAKE THE STATE THAT THE STATE AND THE WAY THE STATE THAT THE STATE THAT SHE THAT SHE THAT CALLED HAVE AND THE MINIST ON THE STATE THAT SHE THAT THE STATE THAT THE ST

Gesture controlled devices: Smart glove for guiding blind people around grocery store

Intelligent clothing: Smart trousers designed to assist the mobility of frail elderly and disabled people

Ultra-thin skin devices: Wearable plasters that continuously monitor skin properties and function for targeted skin products

Prevention trackers: A worker wears the tracker periodically during work tasks, and the software analyzes data about the strain the work is putting on different muscles and joints

Pressure-sensing stockings: Stockings designed to let disbetics know when it's time to shifft their weight in order to relieve pressure on specific areas of their feet

EVERYDAY ROBOTICS

ROBOTS HAVE BEEN A HOT TOPIC FOR DECADES, LARGELY FOCUSED ON RECOGNIZABLE AND OFFEN SINGULAR AUTOMONOUS ROBOTS FOR ASSEMBLY LINES AND OTHER CONTROLLED TASKS. BUT WITH ADVANCES IN SENSOR TECHNOLOGY, CONTROL AND CONNECTIVITY THERE IS A NEW ERA OF ROBOTICS EMERGING ONTO THE CONSUMER SCENE.

Social robots: Jibo – your 'family's personal assistant

Drink-making robots: Somabar – a robot bartender to sit on kitchen counters and link via Wi-Fi to smart devices

Mind-controlled prosthetics: Mind-controlled robotic arm sponsored by DARPA

Tiny robotic workers: MicroTugs — tiny robots that can pull objects up to 2,000 times their own weight

PERSONALIZATION

CONSUMERS ARE RESISTING THE "ONE SIZE FITS ALL' PRODUCTS AND SERVICES OF YESTERDAY. COMPANIES AND OPINIG LOCALIZATION AND PRESIDENT. THE WAY THEY APPROACH MARKETS WILL HAVE A SIGNIFICANT ADVANTAGE. FROM POINT OF SALE CUSTOMER INTERACTIONS FOR BEAUTY PRODUCTS, TO MORE USER-SPECIFIC SETTINGS IN WHITE COURS, THE PRESIDENT SETTINGS IN WHITE COURS, THE PROPERTY OF THE PROPERTY OF

Memory shape composite material: Customizable footwear to prevent common foot problems

Using capsule technology to create drinks and meals: A miniature cooker called the Genie turns pods of freeze-dried ingredients into full meals in seconds

Lab-on-chip devices: Allowing clinicians to identify the bacteria causing infection and the specific antibiotic to treat it

Lab-on-chip devices: Allowing clinicians to identify the bacteria causing infection and the specific antibiotic to treat it are specific antibiotic to treat it acustom skin care serum, using Skin Inc. and Sephora's "My Daily Dose", designed for their unique needs

Personalized skincare using consumer genetics: GeneU is offering what may definitive personalized skin consultation using DNA testing

REMOTE MONITORING

AUTOMATED AND REMOTE MONITORING HAS BEEN AVAILABLE ON HIGH VALUE EQUIPMENT FOR MANY YEARS. NOW THE AVAILABILITY OF LOW-GOST WIRELESS COMMUNICATIONS AND LOW-GOST AND GAPAGE. MEMORGONTROLLERS TO PRE-PROCESS DATA MEANS THAT MANY OTHER DEVICES AND APPLICATIONS CAN BE MONITORED BEYOND HIGH VALUE WIFRASTRUCTURE.

Smart implants: Biosensing chips for contactless monitoring of multiple heal

Precision farming using GPS sensors and data analytics: Startup, OnFarm's platform that allows farmers to manage all of their agricultural data in one place

Electronic pillbox: Pillboxes that provide automatic data via a wireless network, providing the patient daily organization of pills, adherence reminders, and adherence patterns

Monitoring of existing infrastructure: Monitoring is moving into everyday services such as washrooms, pest control, trash cans and home security

First 1000 launch monitoring: Market and field trials using sensors

Smart phone medical kits: Blink brings an eye exam to the home or office for \$75. A technician uses a trio of handheld devices that take the place of a bulky autorefractor lensmeter, and phoropter usually seen in an eye doctor's office

