CAN ROBOTS HELP FACILITATE

DERAUTOROMY?

Rodolphe HASSELVANDER
Founder – CEO
BLUE FROG ROBOTICS



SOCIAL & ECONOMIC CHALLENGE



+€6M people over 75 in France **+€20M** people over 75 in US

€30B French government spending

SOCIAL & ECONOMIC

CHALLENGE





HOME OR RETIREMENT HOME?



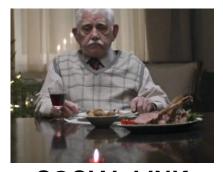
SENIORS NEEDS AT HOME



HOUSEWORK



MOBILITY



SOCIAL LINK



MONITORING



COMPAGNY



SECURITY

ROBOTS, 50 YEARS OF FANTASMS



ROBOTS FOR MOBILITY

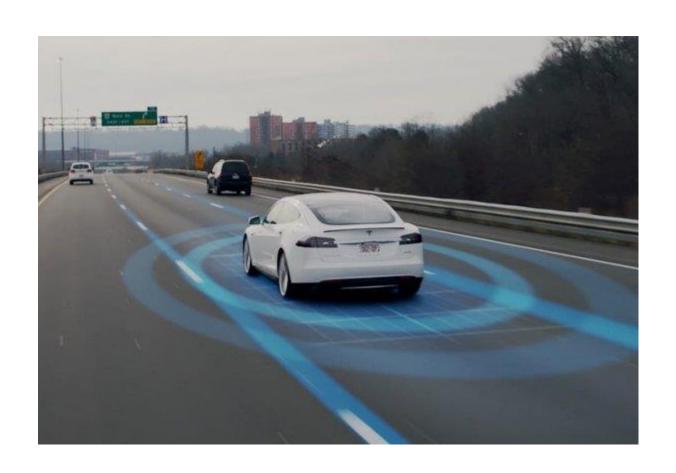








ROBOTS FOR MOBILITY



ROBOTS FOR HOUSEWORK









SOLUTIONS FOR SECURITY, MONITORING



INTEROPERABILITY

INTRUSIVE

EXPENSIVE







MODILE

MANY ACTORS



SET UP





SOLUTIONS FOR SOCIAL LINK & COMPANY

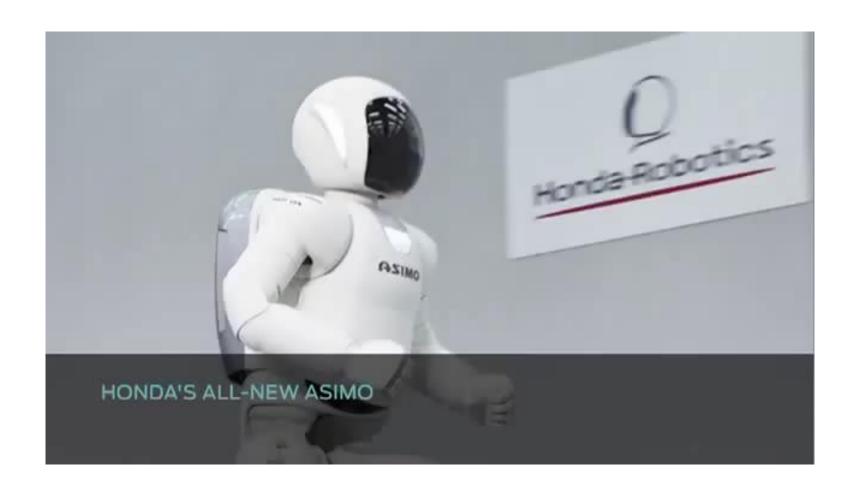


UNSUITABLE





ROBOTS COULD BE THE SOLUTION?

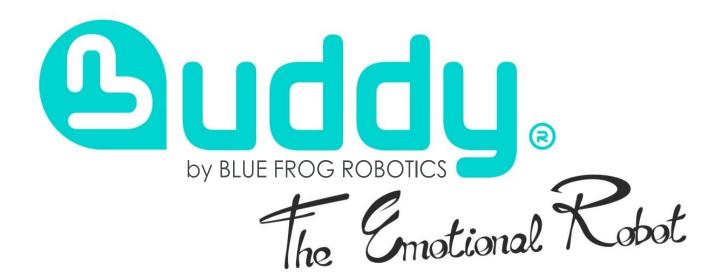


ROBOTS COULD BE THE SOLUTION?



PROMISING, BUT NONE OF THEM COMPLETELY MEETS
THE NEEDS & CONSTRAINTS!

OUR GAME CHANGER





AN AFFORDABLE SMART COMPANION ENGAGING & PROACTIVE



WHY WILL BUDDY SUCCEED?

ADOPTABLE

Small, cute, emotional, empathic

AUTONOMOUS

Powerful Al with emotions, needs, desirs...

USEFULL

Conceived to serve real home / office usages and constraints with useful services



AFFORDABLE

From 1500\$

EVOLUTIVE

App Store, SDK, accessories Developer Community

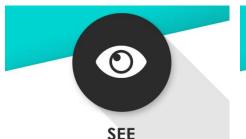
EASY TO USE

Don't need any tech knowledge Easy access to our digital world

NO STIGMATIZING

Each member of the family could use his own applications

BUDDY'S SKILLS

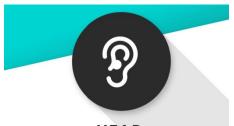


- · Detection: people, faces, objects, pets, heat and motions
- Recognition: persons, places and gestures



SPEAK

- Adaptative emotional voice
- Multi-languages
- Multi-voices



HEAR

- Voice recognition
- Natural Language Processing
- Sound localization
- Noise detection
- Multi-languages



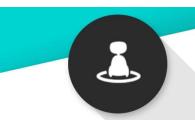
FEEL

- Face sensitive
- Caresses sensitive
- Lift detection
- Fall prevention (stairs, tables)



EMOTIONS

- The emotional state depends on interactions with users & its environment
- Desires & needs: interact, wander, learn, teach, play, help...
- Face expressions & emotional behaviors



MOVE

- Motion control: Body & HeadBehaviors: swivel head &
- body to indicate emotion
- and personality

 Autonomous navigation from
- place to place

 People Tracking & Following



COMMUNICATION

- Telepresence
- Remote control
- Visio call
- Photo / message sharing



CONNECTIVITY

- Bluetooth
- WiFi
- Smartphone appInternet of Things (IoT)

<u>Guddy</u>, the emotional robot

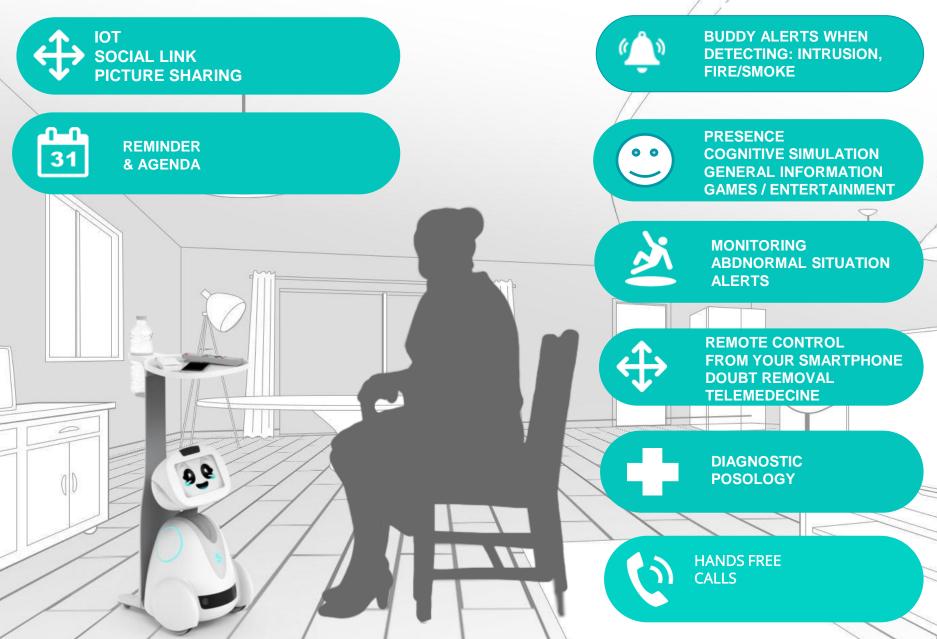
A CUTTING EDGE EMOTIONAL ROBOTIC PLATFORM

Caresses sensors Microphones array (x4) Thermal, 2D and 3D cameras Light, distance sensors 8" touch screen Android 4 cores - 1,69Hz 32 Go - 4Go Head rotation +/-90° Neck rotation +80°/-60° Head and Body speakers (xZ) Accessory slots USB, HDMI connections Wifi, Bluetooth, Optional SIM Obstacle and ground sensors (x3) Wheel drive (x2)

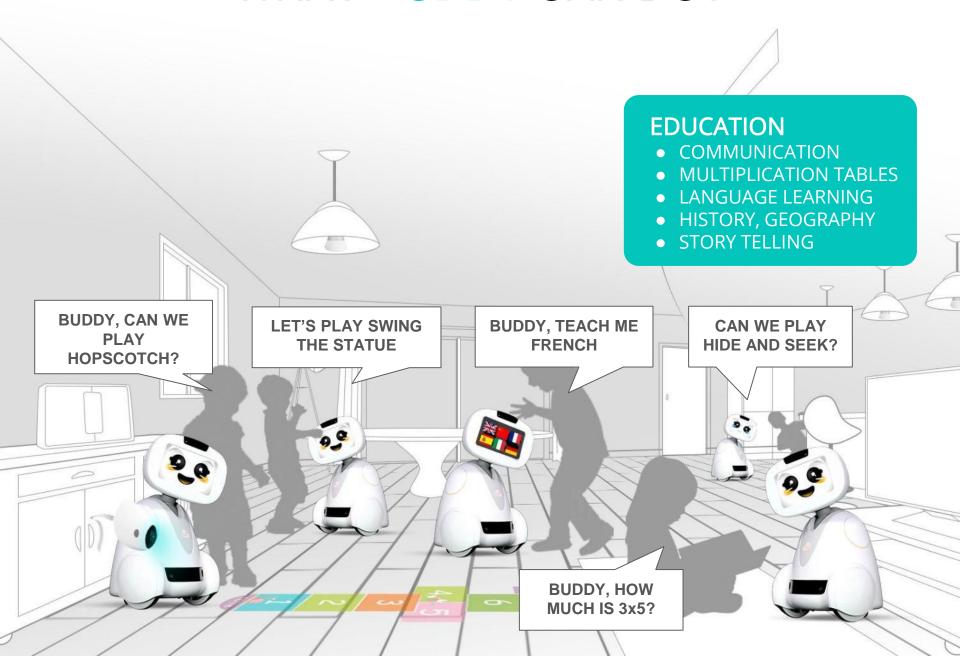


<u>Guddy</u>, the emotional robot

WHAT BUDDY CAN DO?



WHAT BUDDY CAN DO?



THEY ALREADY EXPERIMENTED & APPROVED BUDDY









MAIN PARNTERS FOR

B2B Deployments



























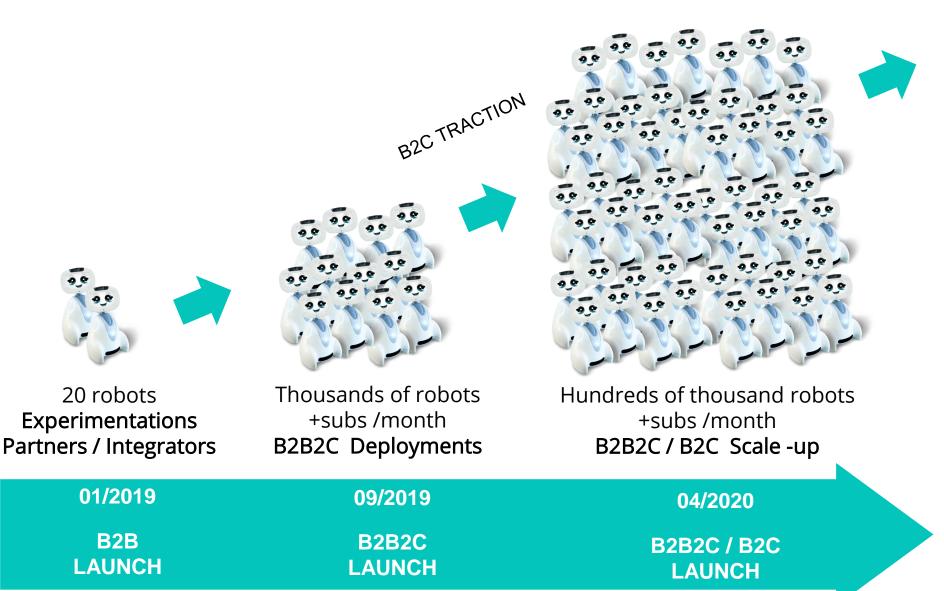
MINISTÈRE DE L'ÉDUCATION NATIONALE ET DE LA JEUNESSE





JOIN US!!!

DEPLOYMENT STRATEGY



CONFIDENTIAL

TOMORROW



IMathematics, storytelling, memory, programming apps and interactive games.



ELDER CARE

Reminder & agenda posology, telepresence to stay connected to loved ones.



Memo, Reminder, Alarm, Timer, Shopping list, Weather forecast, News, Definition...



SMART HOME

Voice-control of your smart home devices: lights, doors locks, rollers blind, thermostat...



MULTIMEDIA

Moving Jukebox, Photographer and Video calling into every room of your home.

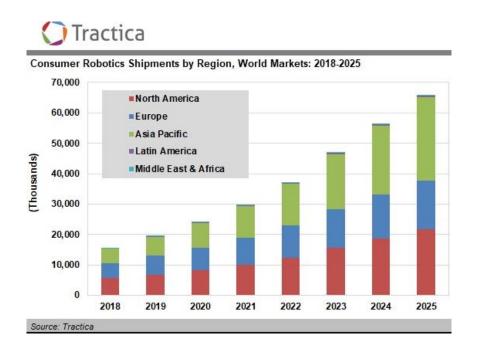


Surveillance patrol, Detection, Alerts, Remote control of your home wherever you are.



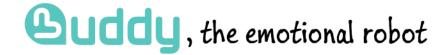


AN INCREDIBLE POTENTIAL



"Consumer Robot Shipments* will surpass 65 Million Units Annually by 2025". Tractica

*: including Personal Assistant Robots, and Educational Robots.



KEY FIGURES

- +1.000.000€ in crowdfunding (presales)
- +30.000 followers (Facebook, Twitter, Instagram, Youtube)
- +1.000.000 views on Youtube
- +1.000 International media coverage (TV, radio, articles...)
- +20.000 people registered
- Dozens of enquiries per day
- Dozens of international Awards
- Worldwide recognition











FEW QUOTES FROM PARTNERS



"We believe that Buddy and its interactive, scalable robotic technology dedicated to senior assistance will enable us to offer unique services that meet the needs of users, caregivers and professionals."

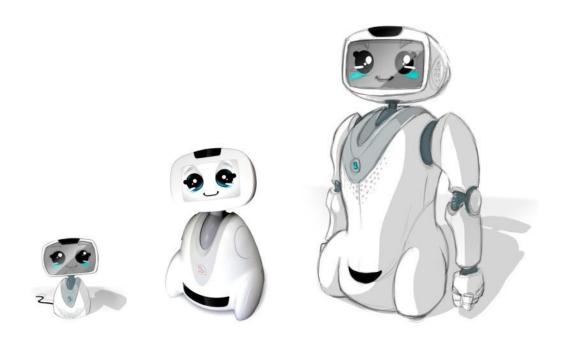


"I am also convinced that it could be the first robot distributed massively and that there are real prospects in terms of market"

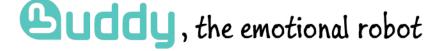


"Buddy has become a priority project within Mylan. We believe that Buddy can become the reference in the accompaniment of elderly people living alone, indeed 11 million patients live alone in France. BUDDY can also help people with autism learn to communicate, interact with others by offering social interaction skills such as reading feelings and communication. Mylan is ready to invest in developing a solution for people with Alzheimer's disease. autism or asperger's syndrome."

WE ARE **BUDDY**, JOIN THE EMOTIONAL ROBOT VENTURE



...It's just the beginning



THE NEXT STEPS?





THE NEXT STEPS?





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