An Assistant for Teachers,
A Friend for Kids

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For information purpose only!

- To request additional information
- To speak with a sales manager
- To obtain the PowerPoint version
- To get access to the ASK NAO Community

Please contact us through the contact form at the address below:

http://asknao.aldebaran-robotics.com/en/contact/

We will contact you soon
The ASK NAO team
Aldebaran Robotics Overview

Founded in 2005
Based in Paris
World Leader in Humanoid Robotics

Bruno Maisonnier

“Robots for better living”
Mapping Aldebaran

Los Angeles
Boston
Paris
Shanghai
Tokyo

+375 Aldebaranians worldwide
+3500 NAOs
+70 Countries
+300 Dev. Program members
+800 Labs, Universities & High Schools (customers)

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Aldebaran Robotics Markets

- Research
- Robocup
- Education
- Special Education
- Developer Program
ASK NAO Mission

Improving the **quality of life** and the **autonomy** of children with autism by offering to a **reliable** and **user-friendly** robotic solution able to evolve with kids for an **entertaining** behavioral education and supported by a **community** of experts.
ASK NAO Overview

Founded in 2011

Sparked from child’s response to NAO

Verified and expanded through scientific research

Assists both students and teachers

Olivier Joubert

Neuropsychology, Ph.D
Post doc at MIT
Our beliefs...

Robots are **not** autonomous enough to be considered teachers. They are teaching tools.

There is **no** best therapeutical approach! The best teachers know the child and personalize tasks based on child’s needs.

To help children with autism teachers, therapists, and parents need to **work together**.

Most of the teachers and parents don’t have programming skills.
ASK NAO Solution

NAO

SPECIAL EDUCATION APPS

ONLINE INTERFACE

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The best of technology and humanity paired together to breakdown communication barriers.
Why a *Humanoid* Robot?

- Commands attention and is **accepted** by children and adults
- Nice disposition and **friendly** interaction
- **Natural** body language
- Suited and **adapted** to our environment

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Why NAO for Special Education

**Humanoid Shape**
bridge between worlds and generalize skills

**Clean design**
lower sensory info to process

**Very predictable**
reduces natural anxiety

**Judgment free**
increases confidence

**Tireless Features**
repeat until child understands

**Multi-Interactive**
customized for the needs of the child

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Hi, I’m NAO

Tactile sensors:
menu to interact non-verbally with NAO

Speakers (x2):
NAO talks, prompts, shares his story, plays music...

Eyeleds:
NAO uses color code to express emotions and even play edutaining color games with your children!

Battery:
NAO is free to navigate without being connected to a power source.

Prehensile hands with sensors:
To grasp small items and to work on object exchange and turn-taking

Sonars (x4):
NAO detects whether something stands closely in front of him.

Microphones (x4):
NAO detects the origin of sounds and understands what you say.

Foot bumpers:
Another way to interact with NAO.

Cameras (x2):
NAO recognizes pre-recorded faces, pictures, reads books, imitates.

Wifi Connection:
NAO can use information from the web

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Bridging Worlds

NAO bridges the human and technological worlds, linking autistic children by encouraging social interaction, learning, confidence and self-esteem.

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APPLICATIONS

Encourage children to reach their learning goals and connect with the world.
Edutaining Applications

15+ Applications in the Autism Session Manager

**Picture Identification Game**

*Learning goals:* Object labeling, Categorization, Conceptualization

NAO prompts the children to find and show him the image he asks for and provides feedback based on their selection. You can work on simple object labeling, as well as on action symbolizing or even on academic geometry skills.

*Very useful for PECS inspired and other visual tasks based using pictograms and pictures*
Why Applications Work

Based on various autism approaches and models (ABA, PECS, TEACCH, DENVER, SCERTS)

Targeted to each child’s learning goals, motivators, internal states, and personality to create a perfect match

Develop social and learning skills through encouragement and rewards

Enabled personalized education
Building Skills on NAO

- Time perception
- Imitation
  - Joint attention
  - Verbal communication
    - Object labeling
- Theory of Mind
  - Empathy
- Turn-taking
- Academic skills
  - Nonverbal communication
- Eye contact

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Cuts down on routine paperwork bringing focus back to the child.
Online Interface
Share Information & Track Progress
Create Lesson Plans & Customize

Enable Instructions? ✓
Enable Skip? ✓
Number of Trials? 3
Mode? Guess and Comment
Difficulty? Easy
Anger? ✓
Fear? ✓
Sadness? ✓
Surprise? ✓
Joy? ✓
Mockery? ☑
Embarrassment? ☑
Disgust? ☑
Disappointment? ☑
Relief? ☑
COMMUNITY
Community Support

Multi-dimensional community of leaders in the autism and development community

Collaborating skills, knowledge, and expertise to benefit the kids

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ASK NAO is driving special education into the future to help children with autism reach new levels of greatness.
Offer Details

- H25 Next Gen NAO Robot
- 1 year access to Aldebaran Robotics application channel (15+ specially created applications + new, upcoming ones)
- Online Interface for solution management
- 1 year warranty
- Exclusive online training and tutorials
- Global community support

Additional warranty coverage and other extended packages available
Thank you

*Offer the best of ourselves...*

...*to enable kids with autism to do the same!!*
Once again, for further information

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