

## HMI - Situation

From: Ph. Truillet and E. Hermet  
To: BEACON's Research & Development department

Subject: Designing a social robot prototype.

We are contacting you on behalf of the Health Ministry in the framework of a bid for tenders.

We know that Beacon is dedicated to robot and AI. Besides, you must know that studies have proved that elderly people that suffer from pathologies such as dementia or Alzheimer just to mention a few, find beneficial effects in interacting with pet robots.

This is why we are considering implementing such devices in elderly homes whether for groups or individuals.

Before selecting which company displays the best insight and design, we would like you to analyze the implementation of such robots and consider requirements like acceptance, features, the limits of such machines and the exteroceptive and proprioceptive abilities and needs. How far can these robots be adapted to elderly people's needs as well as elderly home'?

A first draft will have to be given on Feb 7th.

We have fixed a presentation date of your analysis and studies furthered by a presentation of your project on February 14th 2019.

Besides, a 1mn video teaser will be expected to promote your idea and project to the general public.

We are looking forward to listening to your presentation.

Best regards

Ph. Truillet and E. Hermet

A number of sites of interest:

- <https://scholar.google.fr/>
- <https://dl.acm.org>
- <https://scihub.org/>