BUDD-e
Blind-assistive aUtonomous Droid Device

• VISUAL IMPAIRMENT
• ACCESSIBILITY
• ROBOT ASSISTANT

ABSTRACT

The project promotes a fair recovery by targeting visually impaired people, affected by Covid-19 containment measures such as restrictions on the daily use of spaces and services. The aim is to improve accessibility through an integrated approach blending inclusive design, ICT and robotics, that is, an autonomous tethered robotic guide to be employed in public places or indoor environments, as well as in support of sports activities.

PROPOSING TEAM/
Marcello Farina, DEIB (PI)
Emanuele Lettieri, DIG (project manager)
Luca Bascetta, DEIB
Matteo Corno, DEIB
Manuela Galli, DEIB
Giuseppe Andreoni, DESIGN
Paolo Perego, DESIGN
Andrea Rebecchi, DABC

PARTNERS INVOLVED/
ASST Niguarda Hospital
ASP “Golgi Redaelli” Assistance Center
Dr. Luigi Piccinini, physiatrist (IRCCS Medea)
YAPE S.r.l. (company)
UICI Italian Union of the Blind and Partially Sighted (Lombardy section)
“Istituto dei Ciechi” Foundation
Non-profit organizations: DISABILINCORSA;
GSD Non Vedenti Milano; Tactile Vision

TIMEFRAME/
03/2022 - 06/2023

CONTEXT/
Milan, Italy