

# TEC Solutions for Autism, LD, Dementia, Stroke & Brain Injury Rehab

Bryn Morgan, UK Sales Manager



ABILIA

# Abilia gives people power to become independent and take control of their daily lives



## **Cognition**

helps users understand the concept of time, structuring their day and feel confident



## **Communication**

gives people the support and the ability to audibly and by text



## **Environmental Control**

enables the user to remotely control doors, windows, lights, TV and other appliances.



## **Alarm**

to call for attention when needed

# What is Cognition?



- ***Mental processes*** that control the functions that help us to understand, store and use information
- E.g. memory, learning, attentiveness, impulse control
- Creates order and clarity in life
- A ***Cognitive disability*** means that some of these processes are blocked or un-coordinated



# Challenges with cognitive impairments



- Having a cognitive disability involves major challenges in everyday life. It **differs from individual to individual** depending on the degree of disability, as well as how the physical and social environment is designed.
- It can mean difficulty in managing their **personal care**, their **living, work or school**, as well as **leisure time** due to difficulties with eg:
  - to orientate themselves to time, space and person
  - memory
  - attention and concentration
  - logical thinking and problem solving
  - to process and interpret sensory impressions
  - perception
  - speech and language
  - writing and understanding written text and making calculations
  - emotions and moods
- Through cognitive support in the form of adaptation in the physical environment, supporting people, use of strategies and **technology**, an individual can do well.

# Cognitive disabilities and their effect



## Memory

- Difficulties to remember duties and assignments
- Hard to remember tasks and the correct order

## Planning

- Difficulties to structure and schedule in relation to time

## Time perception

- Hard to know when a task is to be performed, how long the activity is going on, as well as limit the scope and end an activity.

## Initiative

- Difficulties starting up activities

## Problem solving, communication

- Hard to take in information, to remember, and to stick to a plan



Stress and anxiety from daily life

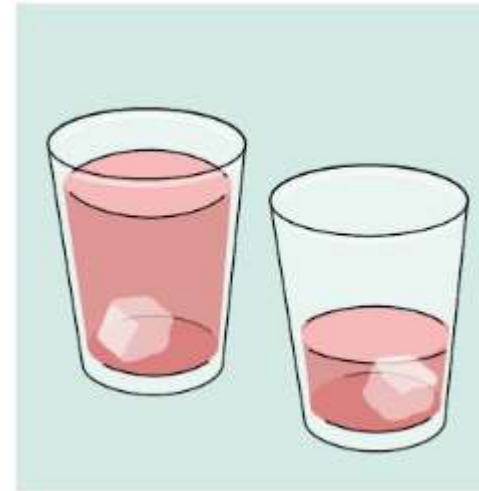


# The Quarter Hour principle to help with time

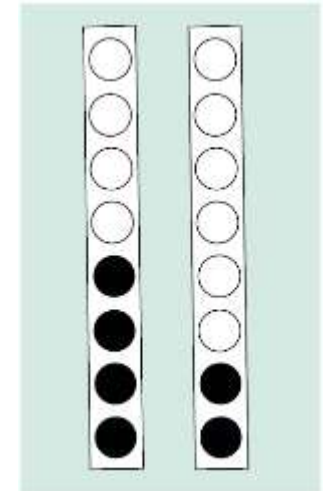


## How Abilia makes time visible

- 1 dot = 15 minutes 'A quarter hour'
- Countdown to an event
- Fixed, countable, steps
- The dots disappear from top to bottom
- More than 8 dots = "A long time"
- Most people understand **more** or **less**
- When a dot disappear it becomes less time



*More or Less juice*



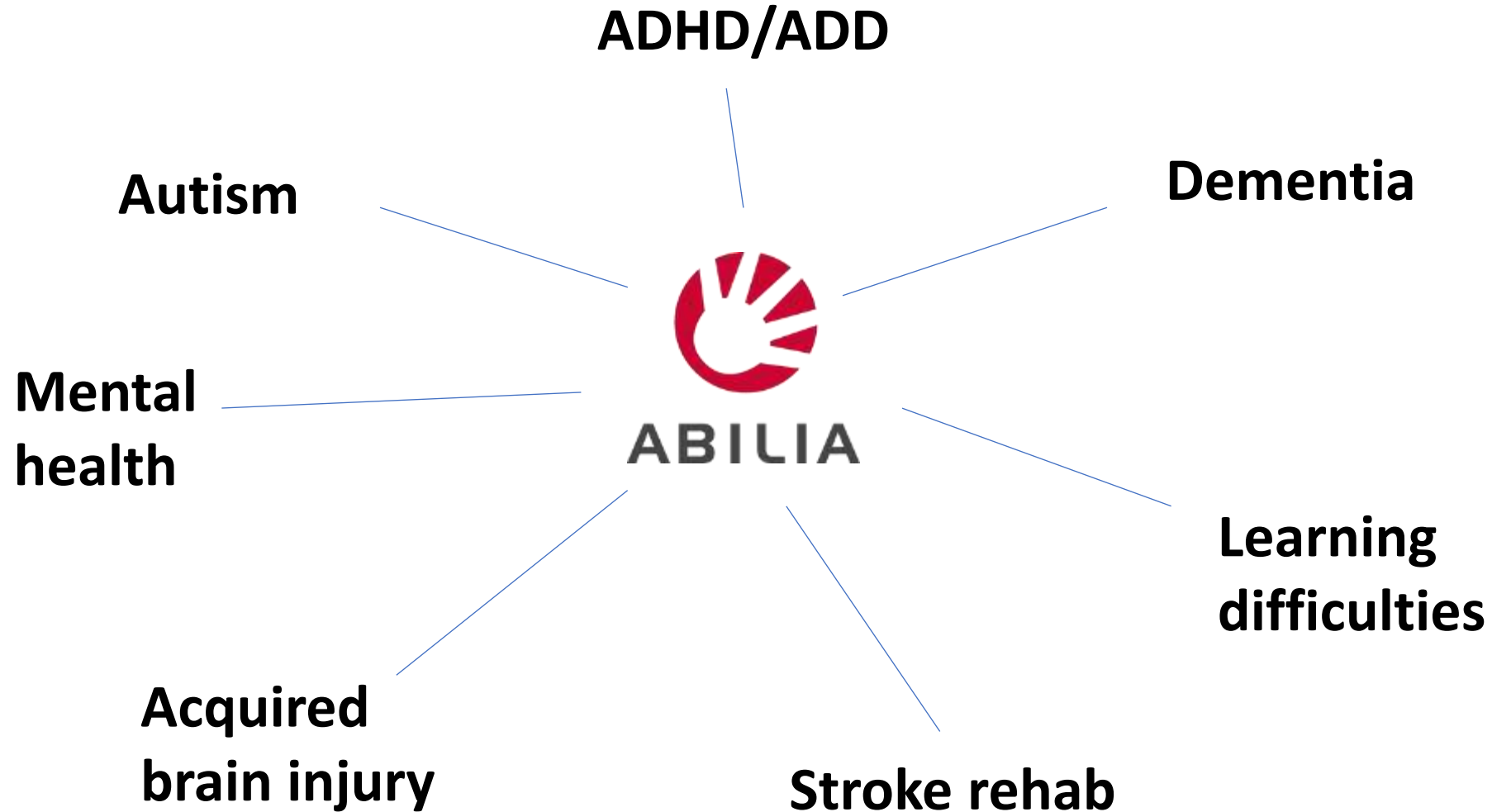
*More or Less time*

=> The "invisible" time becomes visible



Cognitive technology to support;

At home, in education & at work



# The eight questions people with a Cognitive Disability may frequently ask are;

1. **What** should I do?
2. **Why**?
3. **Where** should I be?
4. **When** should I do it?
5. **For how long** should I do it?
6. **How much** should I do it?
7. **How** should I do it?
8. What happens **next**?

MEMO Timer



CARY Base



MEMO Dashboard



MEMOplanner and HandiCalendar



**Predictability**



**In control**



**Increased security**



# MEMO Timer

---

MEMO Timer is a robust timer that visualises time as a quantity.

The product supports the user:

- for an increased sense of time
- to wait for something and to “hurry up”
- to focus on mentally demanding activities
- to complete an activity
- to increase self-esteem and control of impulses
- to reduce stress, conflicts, and aggressive behaviour

£69.00ea (+vat)



MEMO Timer is available in four different variants with 8, 20, 60 or 80 minutes.

# MEMO Dayboard

MEMO Dayboard is a planning board for those who need a visual overview of the day in relation to the course of time.

The product supports the user in:

- getting a better understanding and feeling for time
- staying in bed at night and not waking up other family members
- being involved in activities
- communicating about activities
- knowing in advance what will happen and when in time it will happen
- to feel calm, in control, and reduce aggressive behaviour

£380.00ea (+vat) plus optional extras (door, table stand, accessory pack)



MEMO Dayboard is available in two different variants – 12h and 24h

# Remote Access for digital solutions



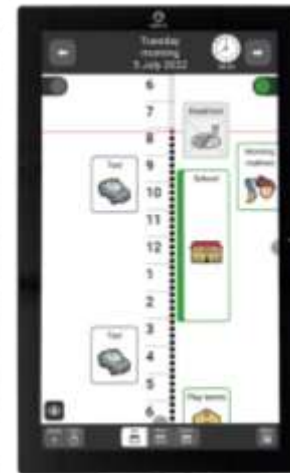
HandiCalendar



Cary Base



MEMOplanner



# HandiCalendar

HandiCalendar is an app for the users smart device. Family members/Caregivers can remotely support the user via our web portal 'myAbilia' to update the calendar.

The product supports the user in:

- getting a better sense of time
- creating routines and structure in everyday life
- participating in activities
- balancing energy-intensive activities and rest
- managing personal care and accommodation, arriving on time for activities outside of the home
- reducing stress and conflicts with others

1year license - £150.00 (+vat)    3 year license - £360.00 (+vat)



HandiCalendar

## CARY Base - to maintain daily routines

---

- CARY Base is a calendar clock for those who require extra help to keep track of the time of day and the day's events.
- The individual can see what time of day it is and look at information about the day (Now and Next)
- Seeing and receiving reminders about the day's activities provides an opportunity to maintain daily routines.
- Linking the calendar clock to the myAbilia web service allows a family member or healthcare professional to provide remote support.
- In a care home, CARY Base can be placed both in the individual's room, as well as in the day room to show activities to many people.

£320.00 - £350.00 (+vat) depending on quantities



# MEMOplanner

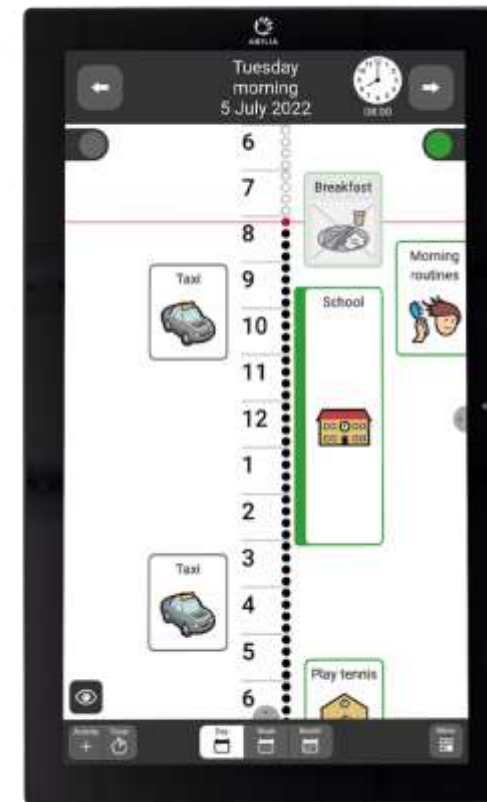
MEMOplanner is a digital time and planning support tool that can also be administered remotely. The product comes with an app for portable support on their smart device.

The product supports the user in:

- gaining a better understanding and sense of time
- staying in bed at night and not waking up other family members
- being involved in activities
- communicating about activities
- knowing in advance what will happen and when it will happen
- feeling calm, in control, and reducing aggressive behaviour
- balancing energy-intensive activities and rest

Medium £795.00 (+vat), Large £1,295.00 (+vat)

both include 3 yr license & the MEMOPlannerGo app



MEMOplanner is available in two variants; Large and Medium





**ABILIA**

Thank you for listening;

Bryn Morgan

[bryn.morgan@abilia.uk](mailto:bryn.morgan@abilia.uk)

07380 797910

[www.abilia.uk](http://www.abilia.uk)

Twitter - @abilia\_bryn & @abilia\_uk

<https://www.linkedin.com/company/abialtd/>

[https://www.youtube.com/channel/UC\\_ZsnN\\_GjZzF54PpEaZf-XA/featured](https://www.youtube.com/channel/UC_ZsnN_GjZzF54PpEaZf-XA/featured)

Monday – Friday 8-4pm UK Based helpdesk