



ATLAS EXPERIMENT VISITOR CENTRE

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ON BEHALF OF THE ATLAS COLLABORATION
 LEPTON PHOTON 2021 – MANCHESTER, UK

Introduction

The ATLAS Visitor Centre, originally set up in 2011 was redesigned and reinstalled between 2018 and 2021, and has just opened its doors to visitors again.

It is one of the most-visited guided itineraries in the CERN Visit programme.

The exhibition was developed as a joint project between the ATLAS Collaboration and CERN, together with design company Point Prod (Geneva).

Project lead: Sascha Mehlhase (ATLAS, LMU Munich)
 Main contributors: Katarina Anthony (ATLAS, Udine), Antonella Del Rosso (CERN), Charles-Henri Denarie (CERN), Rolf Landua (CERN), Andre Rummler (ATLAS, CERN), and the Point Prod team
 Thanks a lot to everyone that supported and contributed to the project!

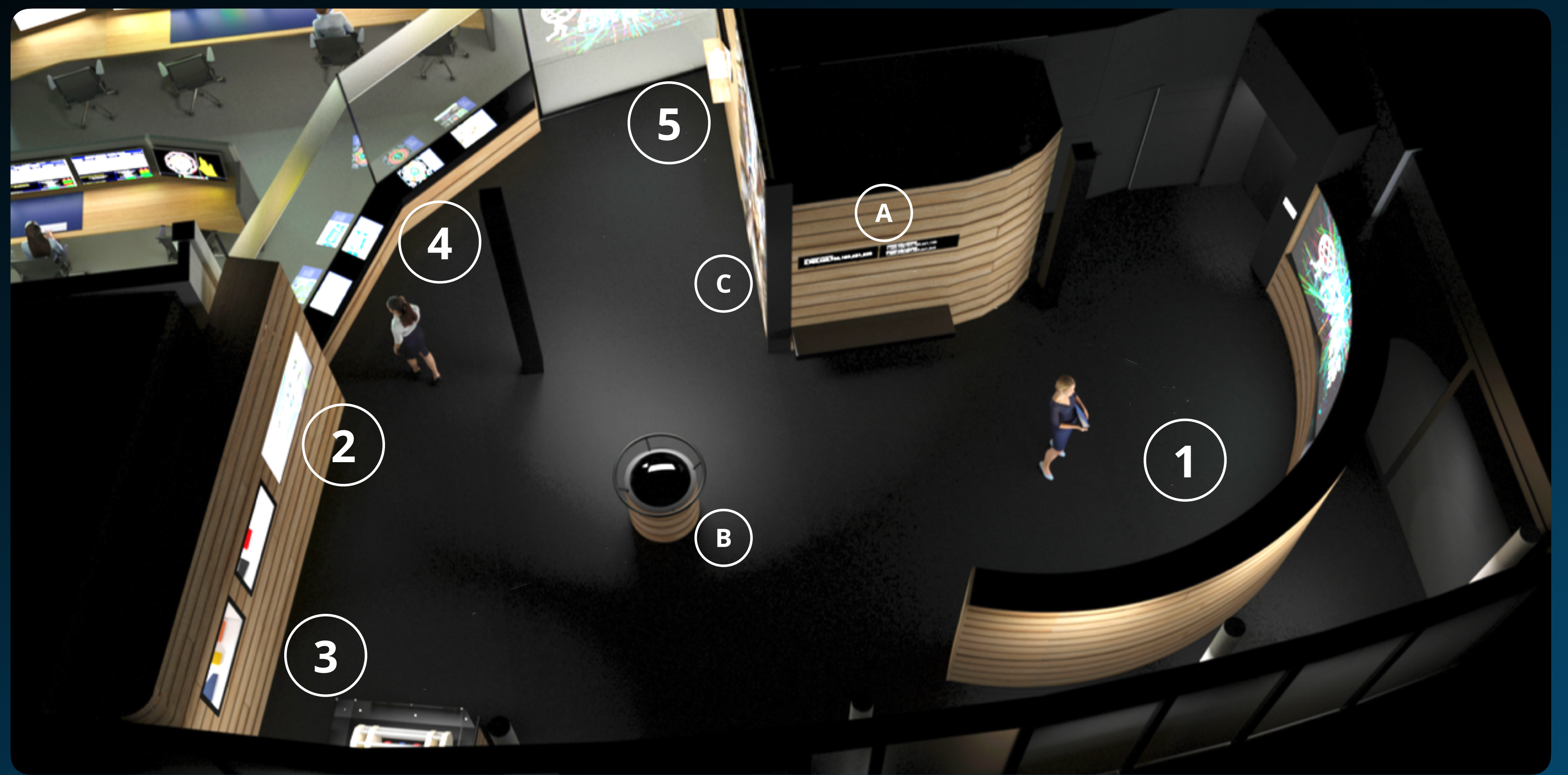
Overview

A completely updated exhibition was designed using the existing space, separated into five main sections.

Visitors are guided through the different sections and the installations focus on supporting the guides on their tour.

The exhibition aims to highlight the ATLAS experiment, its physics programme and goals as well as the collaboration.

Many installations and interfaces offer optional content the guides can choose to use to enrich their tour, based on their preferences and experience (not all CERN guides are ATLAS members).

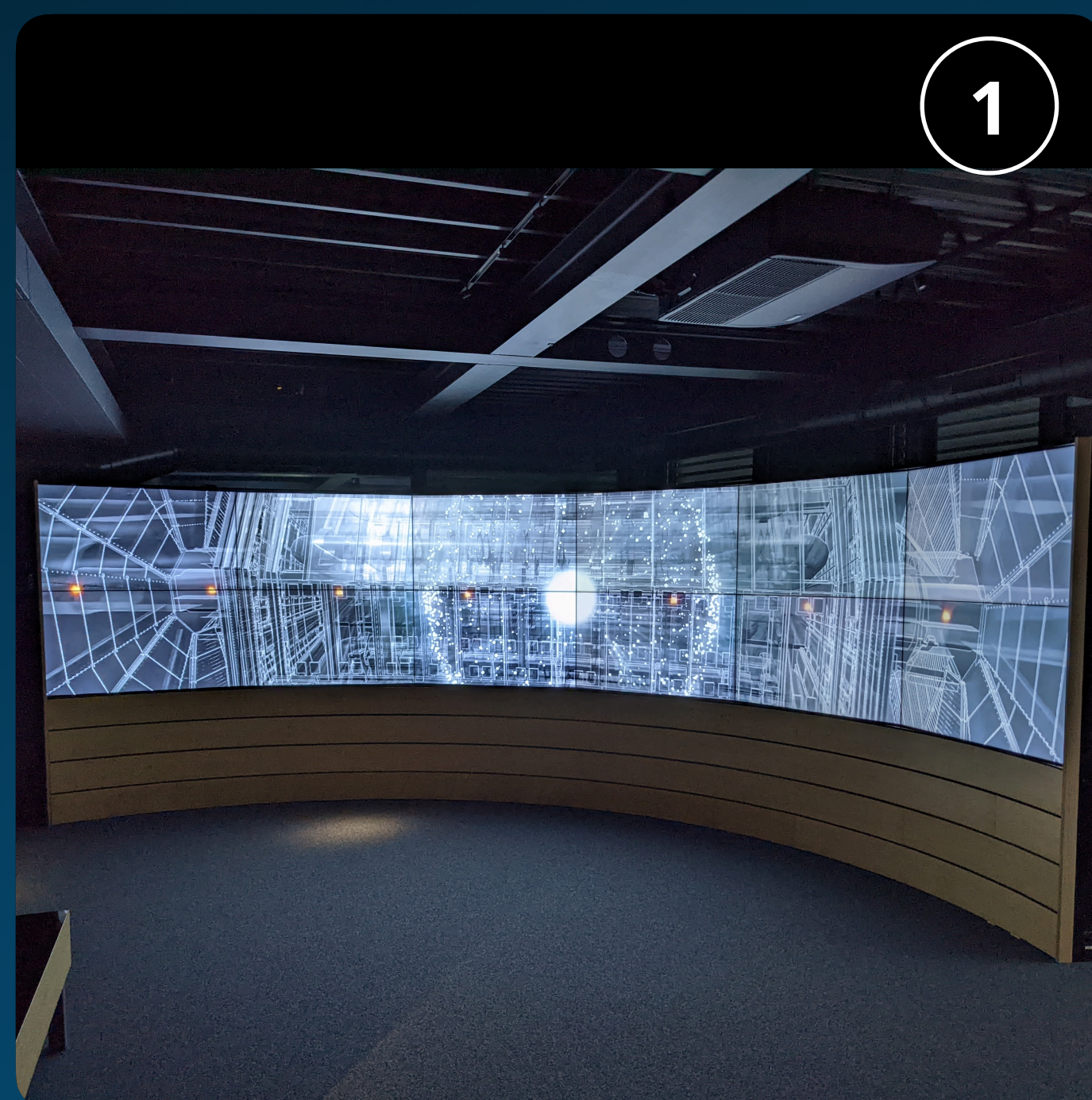


Video Wall

large 12 x FullHD video wall
 to feature a newly produced intro video setting the scene of the visit experience

also enabling guides to show (regular) presentations

audio induction loop to support visitors with hearing aids

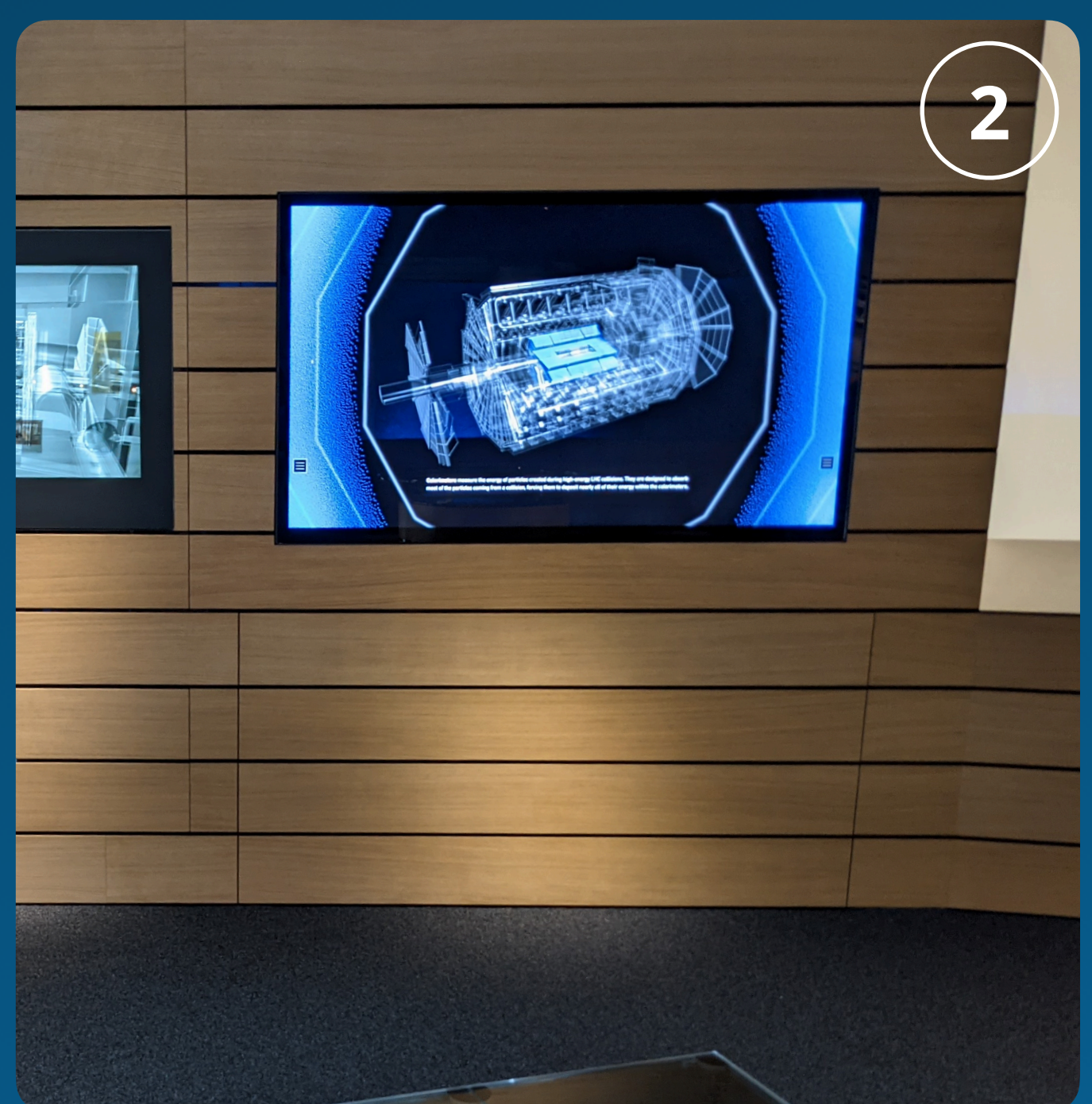


Detector Overview

65" touchscreen

to give a rough overview of the experiment's composition

also more detailed information and impressions of the main subdetectors

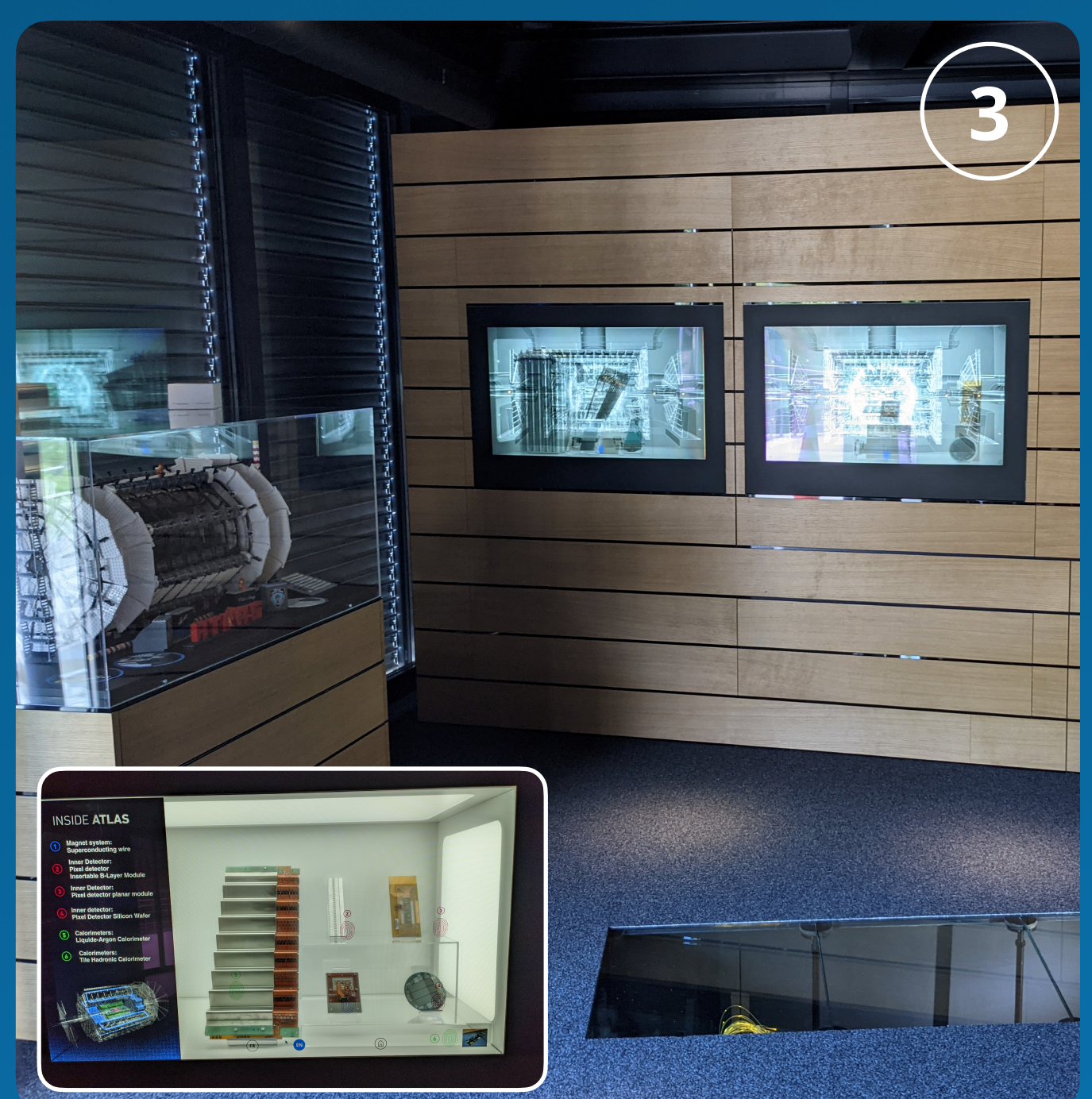


Exhibits & Models

two transparent-touchscreen showcases with smaller detector exhibits

one large exhibit underneath glass-floor tiles

an eye-catching ATLAS model made of LEGO pieces to illustrate size and complexity in a fun way



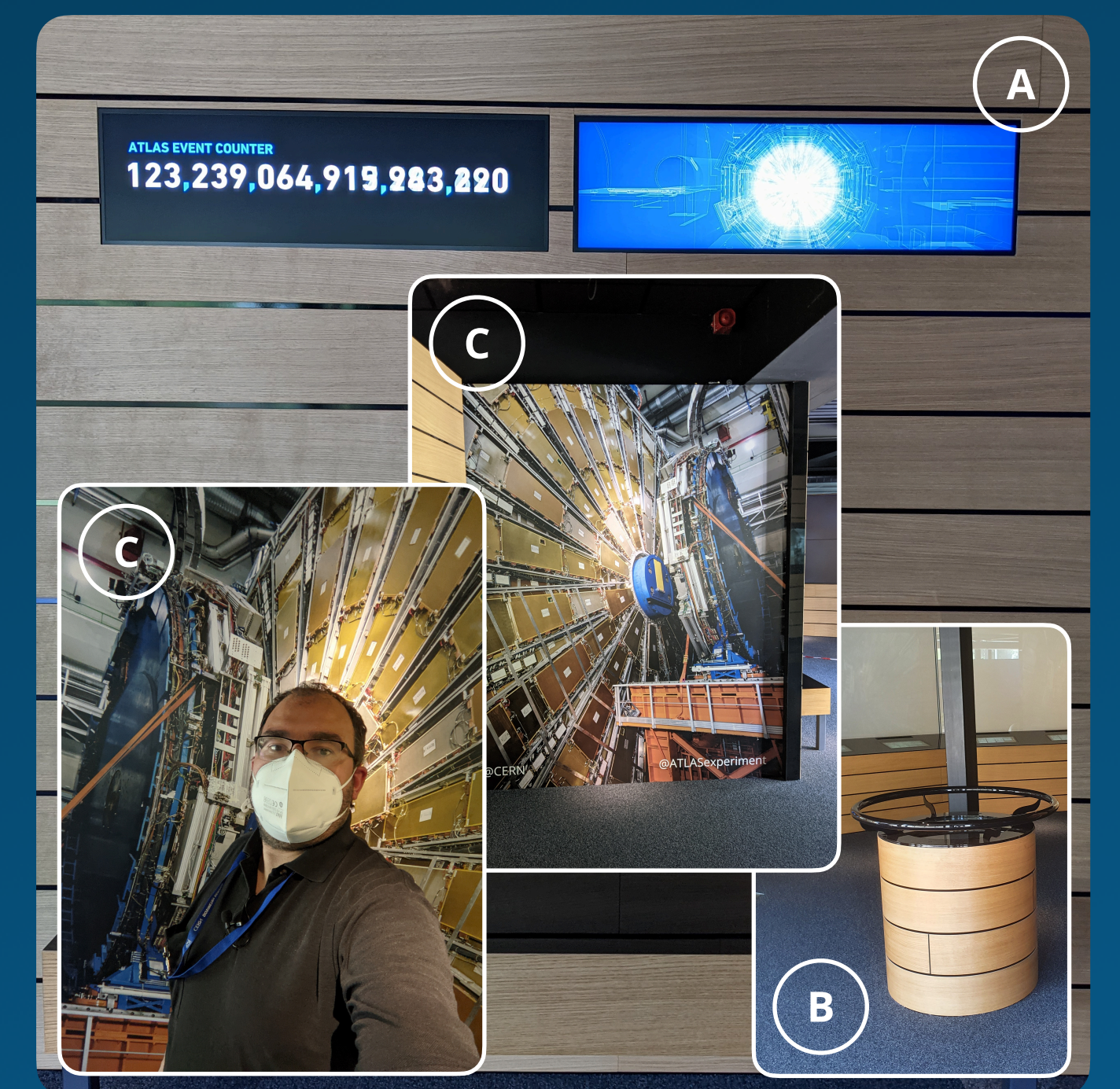
Additional Features

live event/Higgs counter along with ATLAS & LHC information (A)

a *periscope* to look into the cavern and explore the experiment underneath (B)

selfie wall for visitors to create their own memento of their tour (C)

haptic exhibits for dedicated tours of visually impaired visitors



Virtual Visit Corner

dedicated Virtual Visit area that can be separated from the rest

improved equipment, connectivity and lighting for visit hosts

allows to have virtual and in-person visits at the same time



ATLAS Control Room

windows to feature the control-room as an element of surprise, by turning them from opaque to transparent

four touchscreens to explain and explore the work of the shift crew in the control room

