



A new website for CEPC & AGORA

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What's in the new site

One home page + a family of topic pages, all sharing the same look



CEPC project pages

- Home — highlights, latest news, key documents
- About CEPC — the project in plain language
- Organisation — governance & committees
- Accelerator — 100 km ring, RF, magnets, MDI
- News — chronological project timelines
- CDR-to-TDR, reference documents
- Outreach & Jobs — public + open position

AGORA detector pages

- AGORA hub — one-page overview + entry points
- AGORA concept — physics goals, sub-systems, calorimetry
- AGORA team — leadership, sub-system leaders, scale
- Reference documents — TDRs, arXiv links, key talks

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The screenshot shows the CEPC website homepage. At the top is a navigation bar with links: Home, About CEPC, Organisation, News, Accelerator, Detector (AGORA), and Internal. The main header features a large image of the 100 km circular collider with the title "Probing the Higgs, the Z and beyond." Below this is a descriptive paragraph about the CEPC as a next-generation e^+e^- collider. Two buttons, "About the project" and "Explore AGORA", are visible. The "Highlights" section follows, with a sub-header "Featured stories from across the CEPC collaboration — accelerator R&D, detector design, physics studies and community events." It contains three cards: "A Higgs Factory for the Next Generation", "AGORA — the CEPC Reference Detector", and "From CDR to TDR". Each card has a brief description and a "Read more" link. The "Latest news" section at the bottom lists two recent events: the 2025 CEPC International Workshop in Guangzhou (November 17, 2025) and the release of the Reference Detector Technical Design Report (October 17, 2025). A small red circular icon is in the bottom right corner of the page.

CEPC
Circular Electron Positron Collider

Home About CEPC Organisation News Accelerator Detector (AGORA) Internal

Probing the Higgs, the Z and beyond.

The Circular Electron Positron Collider (CEPC) is a 100 km, next-generation e^+e^- collider that will operate as a Higgs factory, a Z factory and a W threshold scan facility — opening a new precision frontier in particle physics.

About the project Explore AGORA

Highlights

Featured stories from across the CEPC collaboration — accelerator R&D, detector design, physics studies and community events.

100 km circular collider

A Higgs Factory for the Next Generation

The CEPC is a 100-km circular collider designed to produce more than one million Higgs bosons, enabling precision measurements that probe physics beyond the Standard Model.

Read more →

AGORA reference detector

AGORA — the CEPC Reference Detector

AGORA combines a low-mass silicon tracker, a high-granularity glass calorimeter and time-of-flight PID to deliver unprecedented Higgs, electroweak and flavour measurements.

Read more →

Technical Design Report

From CDR to TDR

Following the 2018 Conceptual Design Report, the CEPC collaboration has completed its Technical Design Reports, laying out construction-ready accelerator and detector designs.

Read more →

Latest news

Project milestones, workshops, publications and announcements. See all news →

2025年11月17日

2025 CEPC International Workshop opens in Guangzhou

The 2025 International Workshop on the Circular Electron Positron Collider opened in Guangzhou on 17 November, gathering accelerator, detector and physics communities from around the world.

2025年10月17日

CEPC releases the Reference Detector Technical Design Report — collider R&D reaches world-leading level

On 17 October the CEPC collaboration released its Reference Detector TDR (arXiv:2510.05260), marking that the project's R&D programme has reached an internationally leading level.

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2025年9月24日

CEPC Accelerator International Review Committee meeting convenes

On 24 September the international review committee for the CEPC Accelerator TDR convened to assess the technical maturity of the design and prepare its formal endorsement.

Documents

Foundational reports of the CEPC project — Conceptual and Technical Design Reports.

CDR · 2018

CEPC Conceptual Design Report

Volume I (Accelerator) and Volume II (Physics & Detector) — the foundational document that established the CEPC baseline.

TDR · 2025

Reference Detector TDR

The Technical Design Report for the AGORA reference detector (arXiv:2510.05260) — 1503 authors, 385 institutes, 47 countries.

ACCELERATOR TDR · 2025

CEPC Accelerator TDR

The Accelerator Technical Design Report, submitted in 2025 for international review and endorsed in 2026, CEPC is now entering its EDR phase.

PRE-CDR · 2015

CEPC Pre-CDR

The pre-Conceptual Design Report (2015) — the first integrated technical description of the project, setting the stage for the CDR.

Get involved

Resources for students, researchers, communicators and visitors.



Accelerator science

The physics and engineering behind CEPC — beam dynamics, superconducting RF, magnets, vacuum, cryogenics and machine-detector interface.



Outreach materials

Posters, videos, public lectures, school activities and press kits — for teachers, journalists and the curious public.



Job opportunities

Open positions for PhD students, postdocs, engineers and staff scientists within the CEPC collaboration and partner institutes.

CEPC PROJECT

The Circular Electron Positron Collider — a proposed Higgs, Z and W factory for precision electroweak and flavour physics.

Institute of High Energy Physics (IHEP), CAS · Beijing · China

EXPLORE

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Detector (AGORA)

Internal

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 **CEPC**
Circular Electron Positron Collider

AGORA — a gathering place for precision discovery.

AGORA, the **Advanced Glass Optimized Research Apparatus**, is the CEPC reference detector — a next-generation experiment for a lepton collider whose innovative glass-scintillator calorimeter sits at the heart of an instrument designed for Higgs, electroweak, flavour and beyond-the-Standard-Model physics.



Explore AGORA



AGORA concept

Physics goals — Higgs, electroweak, flavour and BSM — and the technical design of the detector: glass-scintillator calorimetry, low-mass tracking, time-of-flight PID, sub-systems and performance.

[Read the concept →](#)



AGORA team

The organisation of the AGORA project — project leadership, sub-system leaders, working-group structure and how AGORA fits within the wider CEPC collaboration.

[Meet the team →](#)



Reference documents

Reference Detector TDR (arXiv:2510.05260) — 1503 authors, 385 institutes, 47 countries — together with the Conceptual Design Report and key talks.

[See documents →](#)

Get involved

AGORA is actively recruiting collaborators across every sub-system, particularly toward FCC-ee integration.



Join a sub-system

Vertex, trackers, TPC, calorimetry, muon, RICH and electronics groups all have open R&D positions and prototype campaigns.



Collaboration structure

Read how the CEPC collaboration is organised and how AGORA sits within the Detector working group.



Contact the project

Reach the AGORA project office and the CEPC secretariat to discuss new institutional or individual contributions.

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- Reference documents — TDRs
- Paper database? Talks?

Static, no build step

Plain HTML + CSS + JS. Open index.html in a browser, or serve the folder with `python3 -m http.server`.

AI assisted design

High efficiency design with good quality.

Content in JSON

News, highlights and navigation live in `data/*.json`. Add a news item = add one JSON object — only adding news articles require HTML editing.

Zero frameworks, zero dependencies

No React, no jQuery, no npm. Copy the folder to any static host — GitHub Pages, Apache, Nginx, an institutional web server.

data/news.json

```
{
  "date": "2025-10-17",
  "title": "CEPC releases the Reference
           Detector Technical Design Report",
  "summary": "On 17 October the CEPC
             collaboration released its Reference
             Detector TDR (arXiv:2510.05260)...",
  "link": "/pages/news-2025-10-17-
           reference-detector-tdr.html"
```

site.js sorts by date, formats the day, and renders the same list on both the home page (top-3) and the full news page.

data/highlights.json

```
{
  "title": "AGORA – the CEPC Reference Detector",
  "text": "AGORA combines a low-mass silicon
           tracker, a high-granularity glass calorimeter
           and time-of-flight PID to deliver Higgs,
           electroweak and flavour measurements.",
  "image": "/assets/img/hero-detector.svg",
  "link": "/pages/detector.html"
}
```

Add or reorder cards on the home page by editing this list — three cards render as a responsive 3-column grid.

What you want to change	File to edit
Add or edit a news item	<code>data/news.json</code>
Change front-page highlight cards	<code>data/highlights.json</code>
Add/rename a menu item	<code>data/nav.json</code>
Edit the body of a section	<code>pages/<name>.html</code>
Retune colours, fonts, spacing	<code>assets/css/style.css</code> (edit <code>:root</code>)
Update AGORA leadership table	<code>pages/agora-team.html</code>
Add a new news article page	<code>pages/news-YYYY-MM-DD-*.html</code>
Change the site footer text	<code>assets/js/site.js</code> (<code>renderFooter</code>)

A Temporary website can be found in <https://shanzhen.web.cern.ch/shanzhen/CEPCnewWebPage3>

What could come next

- Fill the real contents
- Chinese version, Chinese/English toggle in the header
- Internal pages, Twiki pages? HedgeDoc?
- RSS feed generated from news.json
- Photo gallery for outreach materials

Thank you

```
CEPCnewWebPage/  
├── index.html           ← Home page  
├── pages/  
│   ├── about.html      organisation.html  news.html  
│   ├── accelerator.html higgs-factory.html  cdr-to-tdr.html  
│   ├── agora.html      agora-concept.html  agora-team.html  
│   ├── reference-documents.html  
│   ├── outreach.html · jobs.html · about.html  
│   └── news-YYYY-MM-DD-*.html ← one file per news article  
├── data/  
│   ├── nav.json        ← single source of truth for the menu  
│   ├── highlights.json ← front-page cards  
│   └── news.json        ← news list  
├── assets/  
│   ├── css/style.css   ← all styles (CSS variables at top)  
│   ├── js/site.js      ← shared header/footer + data loaders  
│   └── img/            ← hero SVGs  
└── images/            ← logos, swiper background
```