



動力・火車

Motive Power & Rolling Stock

柴電工場常設展
Permanent Exhibition of
Diesel-Electric Locomotive Workshop

MOTIVE POWER 鐵道動力

本展區聚焦於鐵道動力技術與原理，分為兩大主題：其一為「柴電機車的檢修」，透過留置於場內的設備、零件與影像紀錄，搭配轉向架、引擎與主發電機等關鍵部件，引導觀眾認識柴電機車的運作原理，重現柴油動力車輛的維修現場與技術風貌；其二為「火車動力的奧秘」，透過動力原理的剖析，以及典藏車輛的展演，呈現各異其趣的動力奧秘。

This exhibition focuses on the development and principles of railway propulsion technology, presenting two interwoven themes. The first explores the maintenance of diesel-electric locomotives, guiding visitors through the operational mechanics of these vehicles by showcasing preserved equipment, components, and archival footage, alongside critical parts such as bogies, engines, and main generators. This immersive presentation recreates the maintenance environment and highlights the technical expertise involved in servicing diesel-powered rolling stock. The second theme, Unraveling the Mysteries: The Motive Power Evolution, delves into the underlying mechanical and energy principles that power trains. Through interpretive displays and presentations of archival railway vehicles, it reveals the diverse and fascinating technologies that have defined train propulsion across different eras.

ROLLING STOCK 鐵道車輛

臺灣於19世紀晚期迎來鐵道與火車，撼動全島，不僅縮短了島內移動的時間，更加速了現代化與都市化的進程，為社經發展帶來深遠的影響。鐵道車輛是工業時代的產物，重視機能與效率，車輛的設計不僅反映功能與用途，亦為科學技術的具體展現。本展區從車輛外觀與內裝、機能與用途，呈現鐵道車輛的多元變貌，透過典藏車輛與歷來存留的物件，引領觀眾探尋我們與火車共同前行的時代軌跡，透見現代人對於生活的渴望。

In the late 19th century, Taiwan ushered in railways and trains. Railways serve industries and people in line with the needs of the times, accelerate the process of modernization and urbanization, and have a profound impact on social and economic development. As an industrial product, each train is configured on demand, and the machinery and exterior design are also manifestations of science and technology. This exhibition area aims to present the diverse aspects of rolling stock, from its appearance and interior to its functions and uses. Rolling stock collections and objects left over from different eras are also on display to tell the story of the times when we and the trains are moving forward together, to glimpse the yearning for a better life through the appearance or interior arrangement.

HERITAGE AND HISTORY 古蹟與歷史

國家鐵道博物館的前身為臺北機廠，自日本時代以來即肩負著鐵道車輛維修與保養的重任。本展區第一展間以「柴電工場古蹟與修復」為題，呈現柴電工場的變遷、建築特色與修復思量；第二展間與第三展間以「臺北機廠的時光軌跡」為題，透過史料、影像與物件，認識這座昔日城市中的工業廠區，不僅是理性專業的車輛維修基地，亦曾是支持臺灣鐵道發展、促進社會經濟進步的關鍵角色。

The Museum was formerly the Taipei Railway Workshop, a facility that had undertaken the critical task of rail vehicle maintenance and servicing since the Japanese Era. This exhibition begins with the first gallery, "Preserving the Past with an Awareness of the Future: Diesel-Electric Locomotive Workshop," which explores the building's architectural features, its historical evolution, and the considerations behind its preservation. The second and third galleries, under the theme "Chasing Legends, Creating History: Taipei Railway Workshop," present historical documents, images, and artifacts that reveal the Workshop not only as a hub of technical expertise, but also as an industrial complex that once played a vital role in Taiwan's railway development and socioeconomic progress.

PRESERVATION AND RESTORATION 保存與修復

回顧鐵道發展的歷史，在漫長的運轉軌跡中，火車不僅是載客載貨的運具，也是時代的見證者。為能延續這些珍貴的人文資產，鐵道車輛的保存與修復遂成為國家鐵道博物館的使命。本展區以臺灣鐵道車輛的保存為主題，說明保存工作的意義與重要性；復以DR2303號柴油客車與R24號柴電機車的修復故事，體現保存作業的技術面與應用面。時至今日，車輛的保存與修復仍是現在進行式，我們將持續以當代視角，留存時代精神，再續文化價值。

Trains were more than a means of transport; they held immense historical and cultural significance as they revolutionized transport, and became the vessel of history, cultural and human experiences. To better-serve the rail cultural heritage and heighten public interest, the Museum prioritizes the preservation and repair of the rolling stock, which is extensively featured in this exhibition. Diesel railcar DR2303 and diesel-electric locomotive R24 are now in the spotlight, bringing the technical and application aspects of conservation into focus. In this ongoing process, we preserve the past, ponder, and pass it on.

柴電工場

Diesel-Electric Locomotive Workshop

柴電工場為二次大戰後，臺灣因應鐵路動力柴油化的政策，在美援項下於1959年起造、1962年落成的廠房，專責於柴油動力車輛之維修、改造及更新任務。在國定古蹟臺北機廠轉型為國家鐵道博物館後，柴電工場以嶄新面貌成為主展館之一。

柴電工場以「鐵道動力」、「鐵道車輛」、「古蹟與歷史」及「保存與修復」四大主軸，帶領觀眾從歷史、人文、科學技術等面向，探尋臺北機廠、鐵道技術的發展軌跡與臺灣鐵道的故事。

In response to the introduction of diesel-powered rail vehicles after World War II, Taiwan Railway constructed the diesel-electric locomotive workshop under the U.S. aid, beginning in 1959 and completing it in 1962. This facility was dedicated to the maintenance, modification, and upgrading of diesel-electric locomotives and diesel railcars. Following the transformation of the Taipei Railway Workshop, a national historic site, into the Museum, the diesel-electric locomotive workshop was revitalized as one of its main exhibition halls.

The exhibition is organized around four core themes: Motive Power, Rolling Stock, Heritage and History, and Preservation and Restoration. Through these lenses, visitors explore the evolution of the Workshop, the advancement of railway technologies, and the broader story of Taiwan's railway development.

空間資訊

Floor Plan

- 1 服務大廳
Lobby
- 2 寄物區
Locker Room
- 3 休憩區
Lounge
- 4 鐵道動力展區
Motive Power
- 5 鐵道車輛展區
Rolling Stock
- 6 古蹟與歷史展區（第一展間～第三展間）
History and Heritage
(Exhibition Room 1 - Exhibition Room 3)
- 7 保存與修復展區（第四展間～第五展間）
Preservation and Restoration
(Exhibition Room 4 - Exhibition Room 5)
- 8 轉向架清洗場現地展示區
On-site Exhibition Area: Bogie Cleaning Yard

柴電工場常設展
Permanent Exhibition of Diesel-Electric Locomotive Workshop

- 1 SP32865號莒光號客車
Chu-Kuang Express Coach SP32865
- 2 日月潭水力發電工用電氣機關車模型
Model of Sun Moon Lake Hydroelectric Construction Electric Locomotive
- 3 S212號柴電機車
Diesel-Electric Locomotive S212
- 4 MO-5278號確認車
Track Motor Car Mo-5278
- 5 臺糖甘蔗車
Sugar Cane Bin
- 6 臺灣376號蒸汽機車
Taiwan Sugar Steam Locomotive 376
- 7 B.V.15078號泰國守車
Thai Caboose B.V.15078
- 8 モハネ582-106號臥鋪電聯車
Series EMU Sleeper MoHaNe 582-106
- 9 モハネ583-106號臥鋪電聯車
Series EMU Sleeper MoHaNe 583-106
- 10 WICKHAM 38工程貴賓車
WICKHAM 38 Engineering Personnel Carrier
- 11 TPK32862號通勤客車
Commuter Coach TPK32862
- 12 SP32584號對號快車
Express Coach SP32584

- 13 BK32402號行李車
Baggage Car BK32402
- 14 35F6082號平車
Flat Car 35F6082
- 15 15G8061號敞車
Gondola Car 15G8061
- 16 15ES8575號工程宿營車
Engineering Camping Car 15ES8575
- 17 3CK1514號篷守車
Caboose with Cargo Compartment 3CK1514
- 18 30D11號大物車
Center Depressed Flat Car 30D11
- 19 ワル10015號代用行李車
Box Car WaRu 10015
- 20 R24號柴電機車
Diesel-Electric Locomotive R24
- 21 S206號柴電機車
Diesel-Electric Locomotive S206
- 22 S405號柴電機車
Diesel-Electric Locomotive S405

當期典藏車輛
Rolling Stock on Display



SP32865號莒光號客車
Chu-Kuang Express Coach SP32865

WICKHAM 38工程貴賓車
WICKHAM 38 Engineering Personnel Carrier

BK32402號行李車
Baggage Car BK32402

15ES8575號工程宿營車
Engineering Camping Car 15ES8575

ワル10015號代用行李車
Box Car WaRu 10015

R24號柴電機車
Diesel-Electric Locomotive R24

B.V.15078號泰國守車
Thai Caboose B.V.15078

TPK32862號通勤客車
Commuter Coach TPK32862

35F6082號平車
Flat Car 35F6082

3CK1514號篷守車
Caboose with Cargo Compartment 3CK1514

高鐵MO-5278號確認車
THSRC Track Motor Car MO-5278

S206號柴電機車
Diesel-Electric Locomotive S206

583系臥鋪電聯車
583 Series EMU Sleeper

SP32584號對號快車
Express Coach SP32584

15G8061號敞車
Gondola Car 15G8061

30D11號大物車
Center Depressed Flat Car 30D11

臺灣376號蒸汽機車與甘蔗車
Taiwan Sugar Steam Locomotive 376 and Sugar Cane Bin

S405號柴電機車
Diesel-Electric Locomotive S405

開放時間 Opening Hours

週二至週日 09:30 - 17:00 (週一休館)
Tue - Sun 09:30 - 17:00 (Facility Closed on Mondays)

交通資訊 Location

110055 臺北市信義區市民大道五段50號
No.50, Sec. 5, Civic Blvd., Xinyi Dist.,
Taipei City 110055, Taiwan

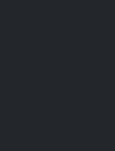
本館不開放停車 未盡事宜依官網公告為準
Parking is not available at the Museum.
For unfinished matters, please refer to official website.

聯絡電話 Contact Number

02-8787-8850



官方網站
Official Website



粉絲專頁
Facebook Page

