Electrify the World

The COP31 Global Climate Action Agenda Electrification Delivery Package

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Climate High-Level Champions

Marrakech Partnership | Global Climate Action

Global Climate Action Agenda Axis 1 Coordination Group:

WBCSD | Sustainable Energy for All | IEA | IRENA International Renewable Energy Agency | UNIDO

In partnership with:

Global Renewables Alliance | Electrify Now | We Mean Business Coalition | Mission Possible Partnership

About the Global Climate Action Agenda Electrification Delivery Package

At COP31, businesses, governments, investors, cities and coalitions have answered the Presidency's call to accelerate voluntary action on electrification, one of the fastest and smartest ways to power more lives and livelihoods affordably, securely and sustainably.

The Call

In Bonn, on 9 June, COP31 President-Designate Murat Kurum unveiled the COP31 Presidency priorities for the Global Climate Action Agenda. He put electrification at its heart, and committed to "work tirelessly to forge a powerful global coalition to deliver this goal." On 21 September, at the UN Headquarters at the opening of Climate Week New York, he launched the 35-by-35 Global Electrification Pledge, which aims to increase electricity's share of global final energy consumption to 35% by 2035. The same day, the UNFCCC Executive Secretary, Simon Stiell, urged "countries, business leaders, investors and more to respond to the Presidency's call". The President-Designate and the President of Negotiations named "Electrify the World" as a pillar of COP31 in their fourth letter to Parties. The COP31 President of Negotiations, Chris Bowen, followed this by writing in the IEA Electrification Special Report that "we already have the means to deliver an electrified world today", as shown by the increasing momentum for electrification depicted in this document.

The COP31 Presidency, Türkiye, is advancing electrification through its own initiatives. The COP31 Global Electrification Initiative, a flagship initiative of the COP31 Action Agenda, brings together an Electrification Forum, a Global Electrification Tracking Mechanism and Enabling Distribution Grids for Electrification (D-GRIDs). Alongside it, the Presidency has put forward the Global Green Freight Corridors Initiative. The Presidency also launched the Antalya Compact for Energy Efficient Buildings with support from the Global Alliance for Buildings and Construction (GlobalABC), which pursues at least a 25% reduction in the operational energy intensity of the global building stock by 2035. This includes replacing inefficient heating, water heating and cooking with efficient electric solutions such as heat pumps and electric cooking.

The response

The COP31 Global Climate Action Agenda Electrification Delivery Package brings together concrete progress and new actions from the period leading up to and at COP31 that will deliver billions in clean energy investment, expand electricity access and electrify new sectors - demonstrating how the Global Climate Action Agenda is turning climate ambition into real-world delivery at speed and scale.

In a formal first for a UN Climate Summit that has put real economy action at the heart of the conference, the Package sets out new actions and updates profiled or announced at COP31,

involving over 150 countries plus the EU, 37 cities and more than 260 businesses across 6 continents[1]:

- **Countries**: From small island states to the world's largest economies, more than 150 countries plus the EU – representing over two-thirds of global GDP – are taking action either individually or collectively to shift to clean, electrified energy.

- **Cities:** Through the Yearly Offer of Action of C40 Cities and the Global Covenant of Mayors, 37 cities joined the charge either reporting electrification progress in 2026 or announcing electrification actions for 2027.

- **Businesses**: More than 260 businesses with over $4 trillion annual revenue announced or profiled actions supporting electrification at COP31, either individually or as part of a coalition.

The Electrification Delivery Package is coordinated by the Coordination Group of Axis 1 (Transitioning Energy, Industry and Transport) of the Global Climate Action Agenda - World Business Council for Sustainable Development (WBCSD), Sustainable Energy for All (SEforALL), the International Energy Agency (IEA), the International Renewable Energy Agency (IRENA) and the United Nations Industrial Development Organization (UNIDO), facilitated by the Climate Champions Team under the leadership of the Climate High-Level Champions, and has been developed in collaboration with Electrify Now, the Global Renewables Alliance, We Mean Business Coalition, Mission Possible Partnership, including global initiatives alongside supportive countries, businesses, cities and other non-state actors.

What comes next

The Package is a first milestone, not the finish line. It does not yet deliver everything that is needed to electrify at the pace the Paris Agreement requires, and this document does not capture all the action under way. In 2027, work under Axis 1 will build on it with a Plan to Accelerate Economy-Wide Electrification Solutions.

This is not an analytical piece, but a set of signals of momentum, and a call for others to step forward, close implementation gaps and join the charge to electrify. We will continue to progress this work 365 days a year, 24 hours a day, promoting implementation, showcasing action and sustaining momentum across Climate Weeks, towards COP32 and the Second Global Stocktake.

An updated version of this document will follow COP31, and full details of the Package will be published online.

[1] Number of countries, cities and businesses involved in the Electrification Delivery Package are based on whether they meet either of two criteria: (i) they participate in one or more of the initiatives contributing to the Package, or (ii) they made an individual contribution that is announced or profiled in the Package. Inclusion reflects participation or contribution and does not imply endorsement of the Package.

Headline Progress and Plans

Progress on electrification is underway across Power, Grids and Storage; Transport; Buildings and Cities; Industry; and Finance. Actions are being carried forward by initiatives and coalitions, countries, cities and regions, businesses, and investors and financial institutions, among others, and brought together through the Global Climate Action Agenda. For each of these areas, the Package presents a curated selection of examples, drawn from progress delivered over the past year and from new plans announced in the period leading up to and at COP31. The selection is focused on the most significant actions and non-comprehensive.

Highlights from the Global Climate Action Agenda Initiatives

Through the annual implementation cycle of the Global Climate Action Agenda, initiatives report progress on the implementation of their Plans to Accelerate Solutions. These plans contain actions that are time-bound to the second global stocktake, with milestones running to November 2028. Each plan contributes to one or more of the Action Agenda's 30 key objectives. By November 2026, more than 26 Plans to Accelerate Solutions contained actions advancing electrification across the axes of the Action Agenda.

The full record is reflected in the Yearbook of Global Climate Action, organised under the Agenda's six thematic axes: energy, industry and transport; forests, oceans and biodiversity; agriculture and food systems; cities, infrastructure and water; human and social development; and the enablers of finance, technology and capacity-building. For each axis, the Yearbook includes an overview, a dashboard of key facts and a summary of progress for every plan. The 2026 progress reported for each plan is published on the Global Climate Action Portal (NAZCA) – UN Climate Change's online transparency platform to track climate commitments, actions, and progress from countries, cities, regions, businesses, investors, and civil society.

POWER, GRIDS & STORAGE

Progress in 2026:

- Small Island Developing States (SIDS) reached 11.2 GW of installed renewable energy capacity in 2025 through the **SIDS Lighthouses Initiative**, surpassing their previous 10 GW target for 2030 five years ahead of schedule (IRENA).
- **UNEZA** utilities built over 21,000 km of new grid in 2025, across 6 continents, 50% higher than in 2024. (IRENA)
- Partners in the **Health Facility Electrification Compact**, convened by SEforALL and Power Africa, have electrified 17,217 health facilities since the Compact's launch in

2021, up from 10,448 in mid-2025, towards 35,000 by the end of 2028. These include 87 hospitals and clinics powered directly by SEforALL since 2020, serving about 8.6 million people. (SEforALL - Update of Plan to Accelerate Access to Electricity)

- More than halfway towards their target for 2028, **SEforALL's Universal Energy Facility** has made more than 14,300 verified electricity connections, reaching more than 67,000 people in Nigeria, Sierra Leone, Madagascar and Benin. (SEforALL - Update of Plan to Accelerate Access to Electricity)

Announced at COP31:

- Small island developing states set a new collective target of 30 GW of renewables by 2035, supported by **SIDS Lighthouses Initiative**, a dedicated partnership framework. (IRENA)

- The **Utilities for Net Zero Alliance (UNEZA)** raised their combined investment plans across grids, renewables and storage to at least USD 156 billion a year, 5% higher than last year and 35% higher than in 2024. (IRENA)

- Türkiye and IRENA launched **D-GRIDs** to help developing countries to strengthen distribution-grid planning, investment mobilisation, digitalisation, system flexibility, resilience, and institutional capacity. (COP31 Presidency, IRENA)

- The **Green Grids Initiative** launched a Grids Technical Assistance Solutions Hub to match countries with over 20 specialist technical assistance organizations to help countries identify and advance solutions suited to their specific grid challenges (GGI).
- The **Powering Past Coal Alliance** launched Coal Transition Partnerships, bringing together eight finance and technical partners, including ADB, CIF and EBRD. It will help governments and utilities turn at least US$23 billion already set aside for coal transition into transition plans and investable projects through country-led partnerships. The aim is to support around ten of the 21 most coal-dependent countries by 2028. (PPCA)

- Nineteen Turkish energy, industry, finance and climate organisations, including SHURA, TÜREB, TÜRKONFED, WRI Türkiye and WWF Türkiye, launched **Electrify Türkiye**, the Türkiye chapter of Electrify Now. In an open letter they committed to contribute in nine areas, each within its own mission and expertise, to accelerate renewables-based electrification. (Electrify Türkiye, Anadolu Agency (Turkish)).

TRANSPORT

Progress in 2026:

- **EV100**'s member companies have deployed 400,000 fully-electric vehicles globally, according to their latest reporting (June 2026). In the past year they added almost 24,000 in emerging EV markets, 2,300 of them in new strategic markets such as Chile, Colombia, Brazil and Mexico, with commitments spanning 140 markets (Climate Group).

- National signatories to the **ZEV Declaration** achieved 2.1 million electric vehicle sales in the first half of 2026, with emerging market signatories spearheading this surge, delivering more than 335,000 EV sales. (AcceleratingtoZero)

- The **Global Green Road Corridors Initiative** – a global effort to decarbonize medium- and heavy-duty vehicles such as trucks and buses – announced it surpassed its 2024 goal to connect at least ten corridors by 2026. Thirteen are already in development across six continents, covering more than 29,000 kilometres of roads. (Global Drive to Zero).

Announced at COP31:

- A COP31 Maritime Electrification goal was launched to **increase electricity's share of shipping's final energy demand to at least 20% (additional 2EJ) by 2035**. This is backed by 39 organisations, including 14 maritime companies and alliances representing more than 100 more companies, such as Amazon, DP World, Google and Nike. (High-Ambition Climate Coalition).

BUILDINGS & CITIES

Progress in 2026:

- **WorldGBC** secured US$5.5 million in additional grant funding since COP30 to expand building decarbonisation and resilience roadmaps to 19 countries across Africa and Asia-Pacific, including China, Ethiopia, Nigeria, South Africa, India, Indonesia and Kenya (WorldGBC).

- The **Under2 Coalition** launched The Big Switch in June 2026 with eight state and regional governments to speed up clean electrification: the Association of Regions of Morocco, Buenos Aires, Colorado, Cross River State, Gauteng, Québec, Taita Taveta and Western Cape. Members share what they are delivering through peer forums. (Climate Group)

Announced at COP31:

- The European Commission (EC) and the Global Covenant of Mayors introduced **ElectrifyCities** at COP31 to help cities electrify urban transport, buildings and public services. The focus is heating and cooling, transport, and reliable public services, aligning municipal electrification plans with national policy and grid expansion, connecting cities with utilities and technology providers, and helping more projects become ready for investment. (Electrify Cities)

- **WorldGBC and Arup** are piloting Data for Roadmaps, a national modelling tool that lets governments test electrification and other measures for their building roadmaps, with wider availability across the Green Building Council network planned for 2027 (WorldGBC)

INDUSTRY

Progress in 2026:

- The **Mission Possible Partnership (MPP)** Global Project Tracker shows a record 36 commercial-scale, deep decarbonisation industrial projects reaching final investment decision in the 12 months to November 2026, across 13 countries. 34 steel projects that melt scrap in electric furnaces are in progress, with 23 of them financed or built, whilst 22 steel projects for H2 direct-reduced iron are in progress, with 4 reaching FID. 400 ammonia projects using hydrogen from electrolysis are in the pipeline, with 25 of these having started operation or reached FID. (MPP)

Announced at COP31:

- UNIDO launched the **Global Green Industrialization Agenda** at a COP31 leaders' event co-hosted by Türkiye, Egypt, Germany and the UK, with 57 supporters of the Belém Declaration, including 20 governments. The GGIA will support countries to develop investable industrial pipelines, mobilising finance and technical assistance and sharing practical policy and implementation tools. Electrification is a core element connecting industrial development with the wider expansion of affordable clean power. The first Global Green Industrialization Dialogue will take place in Vienna in April 2027. (UNIDO)

FINANCE

Progress in 2026:

- **Swedfund** committed USD 55m to energy-transition investments in India and Africa in 2026, alongside SEK 104m for 14 Project Accelerator initiatives supporting grids, renewable energy integration, heating and transport electrification across Africa, Asia, Europe and Latin America. (Swedfund, Swedfund, Swedfund, Swedfund) **SIDA** has also contributed 35 million Swedish kronor in 2026 as seed funding for pro-poor business models that bring energy to underserved areas (AECF).

Announced at COP31:

- **AMPLIFi** announced it is now operational with its first set of projects and first large donor contribution from the UK of £400m which will mobilise up to £5bn. This new Climate Investment Funds (CIF) financing mechanism supports clean power, grids, storage and electrification in emerging markets and developing economies. CIF highlighted the first five MDB-led investments under the programme, deploying USD 94 million of catalytic finance to developing country projects aiming to mobilise more than USD 1.2 bn. (CIF, UK)

- The new **Electrify Now Finance Coalition –** co-chaired by the World Bank – will work with the COP31 Presidency and Ethiopia COP32 Presidency, MDBs, IFIs, private finance groups, technical partners and the Electrify Now Government Coalition to unlock investment in clean electrification across emerging and developing economies. (Electrify Now)

- Germany announced more than EUR 140 million funding for electrification, renewables, energy efficiency and grids and storage through the German **International Climate Initiative** (IKI). This includes a new project in Mexico to enable electricity storage for renewable energy integration (EUR 20 million) and IKI Large Grants Call 2026 on electrifying industrial processes and improving energy efficiency in industrial clusters and parks in Africa and Asia (up to EUR 10 million). (IKI, IKI)

- The UK launched the **Green Industrial Demand Accelerator (GIDA**) with £90 million of new support over 5 years from 2027 designed to address insufficient certainty over future demand and strengthen offtake for clean industrial products and processes in emerging and developing countries. (UK) The UK is also providing £18 million of new funding to support the development of projects relating to the ASEAN Power Grid (**Regional Connectivity Fund**) and coal transition (**Energy Transition Mechanism**) in Asia. (ADB)

Highlights of individual voluntary actions by countries and non-state actors

Cities and Regions

Through the Yearly Offer of Action of C40 Cities and the Global Covenant of Mayors, each year ahead of the UN climate conference (COP), mayors set out a concrete action they'll deliver in the next 12 months and report back on what they achieved in the last. This year, 37 cities reported electrification progress in 2026 or announced electrification actions for 2027, including about 2,200 new electric buses planned for 2027.

Progress in 2026:

- **Shenzhen** had almost 1.8 million electric vehicles on its roads by June 2026, meeting its target for the year ahead of schedule, and 83% of new vehicles sold were electric (C40 Cities).
- **Bogotá** procured 900 electric buses in 2026, with 147 already in service and 415 expected by the end of the year (C40 Cities).
- **Curitiba** opened the first public electric vehicle charging station in southern Brazil in May 2026, on the site of a former petrol station, serving cars, taxis, ride-share vehicles and commercial trucks. It was developed with C40's Laneshift programme (C40 Cities).
- **Istanbul** launched bike sharing in 2026 with 2,400 e-bikes across 17 districts, and will extend it to every district in 2027 (C40 Cities).
- **Dalian** took delivery of 500 electric buses in 2026, the first batch toward replacing 1,096 ageing buses (C40 Cities).
- **Milan**'s community energy network grew to 121 members and 1.2 MW of solar in 2026, and is funding four local projects that help vulnerable families cut their energy costs (C40 Cities).
- **Adelaide**'s incentive scheme funded 41 battery storage systems, 14 solar installations and 8 EV charging stations in 2026 (Global Covenant of Mayors).
- **Sydney** required new homes to be all-electric from January 2026, and large commercial buildings and hotels from January 2027 (City of Sydney).
- The **Denver Regional Council of Governments** launched Power Ahead Colorado in February 2026, a nearly USD 200 million building electrification programme focused on low-income residents (DRCOG).

New actions at COP31:

- **Six cities** committed to about 2,200 new electric buses in 2027: Ahmedabad (up to 1,000, with solar-powered charging and priority for underserved neighbourhoods), São Paulo (at least 517), Bogotá (390), Rio de Janeiro (175), Salvador (100) and Athens (17, for its first municipal bus service) (C40 Cities).

- **Shenzhen** will focus on emissions from heavy-duty trucks and terminal tractors in 2027, aiming to raise the share of new-energy heavy-duty trucks from 5% to 9% and exploring zero-carbon transport corridors (C40 Cities).

- **Hong Kong** will expand EV charging to around 200,000 parking spaces in 2027, including around 20,000 public chargers, supporting more than 300,000 electric vehicles (C40 Cities).

- **Heidelberg** will start building a river heat pump on the Neckar in 2027, one of two 30 MW heat pumps toward fully decarbonised heat by 2035, with residents able to take a stake through Heidelberg KLIMA-INVEST (C40 Cities).

- **Boston** is working toward 5,000 heat pumps and 10,000 weatherproofed homes by the end of 2027, with support aimed at residents hit hardest by energy bills (C40 Cities).

- **Québec** adopted the 2026 to 2031 implementation plan of its 2030 Plan for a Green Economy in June 2026, with CAD 8.2 billion over five years funded mainly by its carbon market. It includes about CAD 509 million for EV charging, with public fast chargers, and about CAD 322 million for heat pumps, focused on households on low incomes and tenants. (Climate Group and Government of Québec)

- **Addis Ababa**, capital of COP32 host Ethiopia, will expand its electric transit network and add rapid chargers at key hubs in 2027, powered by hydropower (C40 Cities).

- **Tokyo** is on track to meet its 2030 solar and battery targets two years early and will raise its 2035 goals to 4 GW of solar and 4.5 GWh of storage (C40 Cities).

- **Chicago** will introduce a long-term regulatory framework for data centres in 2027, to protect residents from energy and infrastructure burdens while keeping the city open to responsible investment (C40 Cities).

- **Taita Taveta County**, Kenya, allocated KES 20 million (about USD 154,000) in its 2026/27 budget for rural electricity infrastructure, matched one to one by Kenya's Rural Electrification and Renewable Energy Corporation, under its County Energy Plan 2024 to 2033. (Big Switch peer forum)

Companies

The **World Business Council for Sustainable Development (WBCSD)** has tracked electrification business announcements of progress or planned investments during 2026, whilst the synthesis of the **Business Breakthrough Barometer,** delivered by WBCSD with the Marrakech Partnership and with the support of the Climate High-Level Champions, sets out six priority actions from business to close the electrification gap, from reforming grid connections and permitting to bridging the electric premium. **Mission Possible Partnership** tracks the pipeline of commercial-scale, net-zero-aligned clean industrial plants worldwide across aluminium, cement, chemicals, steel and aviation.

In the lead-up to COP31, more than 180 companies representing USD 1.69 trillion in annual revenues supported the **We Mean Business Coalition** Seizing the Electric Advantage statement. Around 20 firms in the **COP31 Business Forum** Electrification & Energy Transition Working Group, led by TOBB, offered more than 160 forms of support to initiatives including Electrify Now, Seizing the Electric Advantage, the Green Grids Initiative and UNEZA. The **SB COP** Transitioning Energy, Industry and Transport Working Group, chaired by Schneider Electric and Borusan Holding, awarded 8 company initiatives at the SB COP Awards 2026.

The following are highlights of electrification actions taken by businesses announced or profiled during COP31:

Finance

- **AIB** announced at COP31 that it is doubling its 2030 green and transition lending target from €30 billion to €60 billion, building on €28 billion already deployed since 2019. This increased ambition will support customers and projects across areas including renewable energy and infrastructure, energy-efficient homes and the transition of businesses and farmers. AIB also published "From Plan to Power", a practical guide on how clean energy and grid infrastructure projects get financed. (AIB)

- **BBVA** announced at COP31 that it has channeled nearly €60 billion in sustainable business activity linked to electrification from January 2025 to September 2026, including electricity generation and supply, as well as power grids, energy storage and the electrification of transport, industry and buildings. (BBVA)

- **TRATON GROUP** issued its first Green Bond and Green Loan for €850m in May 2026 to fund battery-electric commercial vehicles. The green bond transaction generated strong investor demand, resulting in a high-quality order book of approximately 5.4x the issue size. (TRATON)

Power, Grids and Storage

- **Amazon** announced plans to invest $7 billion in renewable energy in India by 2030, including four new wind and solar projects. Amazon also announced a global target

to cut the carbon intensity of the electricity it uses by 65% by 2030 against 2019, and in June 2026 its electric delivery fleet passed 50,000 vans globally, halfway to its 2030 goal of 100,000. (Amazon, Amazon, Amazon)

- **Octopus Energy** launched an Asia Electrification Fund at COP31 aiming to raise USD 600 million for solar, wind, storage and EV charging projects, already backed by $50m from Japanese investors. The first investment is in the Philippines, with solar and battery projects that could power more than 300,000 homes by 2030. (Octopus Energy)

- **ABB** announced in May 2026 that it will invest USD 200 million over three years in its European medium-voltage manufacturing to accelerate the transition to next-generation technologies for power distribution and strengthen supply for customers modernizing their power infrastructure, including a USD 100 million investment in a new facility in Dalmine, Italy. USD 100 million investment for capacity expansion projects across factories in Bulgaria (Rakovski), Finland (Vaasa), Germany (Ratingen), Norway (Skien), and Poland (Przasnysz). ABB

- **AES El Salvador** and **ECORAY** inaugurated the Santa Ana IV solar photovoltaic power plant in El Salvador in June 2026, representing an investment of more than USD 60 million and installed capacity of 55 MWn (73 MWp) providing energy directly to the national transmission grid. (AES El Salvador)

- **SSE** announced at COP31 it is approaching nearly £8bn invested since 2020 in the north of Scotland allowing renewable generation connected to the network to rise from 6.3 GW to 10.8 GW. The grid expansion supports workforce and supply-chain growth, including Sumitomo Electric's GBP 350 million subsea cable factory. SSE

- **PepsiCo** announced a 10-year virtual power purchase agreement (VPPA) in April 2026 acting as the lead buyer to aggregate demand across participating supply-chain companies in Europe under the pep+ REnew program to deliver an estimated 32,000 metric tons of CO_2 emissions reductions annually. The initiative helps overcome barriers that can make long-term renewable electricity agreements difficult for individual businesses and suppliers to access. (PepsiCo)

- **Iberdrola's** new electric power line between the states of São Paulo and Minas Gerais, with a length of more than 1,600 kilometres is their largest grid project in the world and was completed 15 months ahead of the deadline in 2026. This enables renewable energy to be transported to an area with high power need with an investment of around 4.2 billion reais and creates 11,000 jobs. (Iberdrola)

- **Ørsted** made progress in offshore wind projects across three continents in 2026. Borkum Riffgrund 3 in Germany and Revolution Wind in the US are now in commercial operation, and Greater Changhua 2b and 4 in Taiwan have completed major offshore construction. Its offshore fleet generated 15.7 TWh of renewable electricity in the first nine months of 2026, 22% more than a year earlier. (Orsted)

- **Schneider Electric** solutions helped customers save or electrify 211 million MWh in 2026. That is already 14% of the 1,500 million MWh ambition for 2026–2030. Since 2018, customers have saved and avoided 943 Mt of CO_2 with Schneider Electric solutions. The target is 1.5 Gt by 2030. Electrification projects at SE sites are estimated to abate a further 56,100 tCO_2e over 10 years. (SchneiderElectric)

- **Carrier**, **PG&E**, **Google** and **Rewiring America** announced the SHARE virtual power plant in September 2026 contributing to grid flexibility. The Bay Area programme is coordinated network of home batteries, smart devices, and battery-enabled heat pumps that reduce energy use during periods of high demand. (PG&E · Rewiring America)

Transport

- **UltraTech Cement Limited**, an Aditya Birla Group company and the world's largest cement company by sales volume and capacity outside China, announced that it will scale up its electric vehicle fleet in its logistics operations to 600+ EV trucks by December 2026. This will enable transportation of 5 million MT of clinker and other key materials with potential of over 117,000 tonnes of net annual CO_2 reduction, displacing the equivalent of 39 million litres of diesel per year. (Ultratech, Aditya Birla)

- **Höegh Autoliners** and **BYD** signed a cooperation agreement at COP31 to install BYD's battery technology on board Aurora No. 12 to start operation in 2028, which will be combined with ammonia as a fuel and solar panels to cut emissions. (Hoegh Autoliners)

- **NYK's** wholly owned automobile terminal operator in Belgium aims to achieve 100% renewable energy usage by 2030. The 2026 Progress Report shows that more than 350 EV charging stations, 11 wind turbines and 12,600 m² of solar panels are in operation, with five additional wind turbines under construction. (NYK)

- **Vertelo** is India's integrated fleet electrification platform. Launched in 2024 by Macquarie Asset Management with anchor concessional capital from the Green Climate Fund it provides EV leasing and financing, charging infrastructure, fleet management and end-of-life asset management for commercial fleet operators, public transport agencies and logistics companies. In the last three months it has signed definitive deals worth 3.5 times what it signed in the preceding 30 months, and as of 26 October 2026, Vertelo has deployed 1,000+ assets. (Vertelo, GCF)

- **MAN Truck & Bus** built about 1,300 heavy electric trucks in Munich in 2026 during the first year of series production. It also received an order for 112 fully electric E city buses for Vilnius, as well as introducing a new 16-tonne truck with a range of up to 480 kilometres and a new all-electric eTGX heavy-duty long-haul truck that can recharge in about 30 minutes. (MAN, MAN, MAN, MAN).

- **Scania** now offers a long-haul electric truck with up to 720 km of range and Megawatt Charging System (MCS) charging, bringing zero-emission driving to the longest freight routes. (Scania)

- **Volkswagen Truck & Bus (VWCO)** presented two new trucks and two new bus chassis in its battery-electric line-up in Brazil in 2026 with more than 300 e-Volksbus units sold in under a year, trials are running in five cities. (Autodata, Autodata)

Industry

- **Saint-Gobain** and **AGC Glass Europe** announced the FurHy hybrid-electric flat-glass furnace in Spain in August 2026. This is expected to reach 75% of electrification of the melting process with construction planned to start in January 2027. The companies project around 80,000 tonnes of CO_2e avoided per year, a 50% reduction compared with a conventional gas furnace. Saint-Gobain

- **Fortescue** began building a 690 MW solar farm and 650 MWh battery in May 2026, to power its Pilbara integrated mining and transport operations with renewable energy. Half of the Company's excavator fleet will also be electric by the end of 2026. Fortescue.

- **Bayer** and **Iberdrola** began testing in 2026 to electrify Bayer's Aspirin production facility in La Felguera, Asturias. Under the country's first industrial Heat Purchase Agreement (HPA), Iberdrola will supply renewable electricity and molten-salt thermal storage solutions to produce the steam required for manufacturing, replacing fossil fuel use in a highly energy-intensive process. The project is expected to virtually eliminate process emissions and has involved an investment of more than €18 million. (Iberdrola)

- **Sailun Group** is implementing a tire curing process equipment upgrade in the energy-intensive curing process, shifting end-use energy towards greater efficiency and electrification. The program starting in 2026, with a total investment of USD 166 million, covering multiple domestic and overseas plants of Sailun Group. It is expected to reduce greenhouse gas emissions by 56,000 tonnes of carbon dioxide equivalent (CO2e) each year. (Sailun Group)

- **Calix** is showing at the PLS lithium mine in Western Australia that heavy industry's hottest processes can run on electricity. Its electric calciner now runs above 1,000°C on renewable power and can cut calcination emissions by more than 80%. The same approach is being scaled to cement with Adani's Ambuja Cements in India, from a 40 ktpa demonstration to more than 1 Mtpa, and to green iron in Kwinana, Western Australia, with Rio Tinto (30 ktpa). Both target investment decisions in 2027. The projects will demonstrate how flexible electric heating can rapidly ramp up and down to match the availability of low-cost renewables. (PLS, Adani, Calix)

- **Rio Tinto** will use a 360 MWh Rondo Energy heat battery at its Yarwun alumina refinery in Queensland to supply continuous steam from electricity, cutting onsite

emissions by around 67,000 tonnes of CO_2 a year. ARENA committed AUD 3.6 million for engineering and design in October 2026, with up to AUD 38 million for deployment. (ARENA)

- **Tata Steel** started up a scrap-based electric arc furnace in Ludhiana, India, in March 2026, running on almost 50% renewable energy. (AIST, MPP)

- **New Zealand Steel**, part of BlueScope, produced its first commercial steel in 2026 from a new electric arc furnace using scrap at Glenbrook, powered by firmed renewable electricity from Contact Energy, with up to NZD 140 million of government co-investment. (SteelOrbis, MPP)

- **Nippon Steel** began construction in April 2026 to convert blast furnace production at its Kyushu Works in Japan to an electric arc furnace of about 2 million tonnes a year, an investment of JPY 630.2 billion. Operations are planned from the second half of fiscal 2029. (SteelOrbis, MPP)

- **U.S. Steel Košice** approved about EUR 900 million in September 2026 for an electric arc furnace in Slovakia with capacity of around 1.6 million tonnes a year. The EU Modernisation Fund is providing some EUR 350 million for the furnace, and production is planned from 2030. (SteelOrbis, MPP)

- **ArcelorMittal** confirmed in February 2026 a EUR 1.3 billion electric arc furnace at Dunkirk, France, with capacity of 2 million tonnes of steel a year and start-up planned for 2029. (GMK Center, MPP)

- **ATOME** reached final investment decision in April 2026 on its USD 650 million Villeta plant in Paraguay, which will produce green ammonia by electrolysis using 145 MW of hydropower. Yara has contracted all of its output. (MPP)

- **Phelan Green** took final investment decision in September 2026 on the first phase of its eSAF plant in South Africa, the first in Africa. It will produce 35,000 tonnes a year of aviation fuel from renewable power and captured carbon. (Global e-Fuels, MPP)

- **Goldwind** broke ground in April 2026 on its green methanol project in Xing'an League, Inner Mongolia, which runs on wind power and has its first phase commissioned, the second under construction and the third at final investment decision. A.P. Moller-Maersk has a long-term agreement to buy 0.5 million tonnes a year. (MPP)

- **China Energy Engineering (CEEC)** supplied 1,000 tonnes of green ammonia from its Songyuan hydrogen park in Jilin for a ship-to-ship bunkering at Zhoushan on 13 October 2026, reported as the world's first commercial operation of its kind at an anchorage. Construction of the project's second phase began the same month. (People's Daily, Hydrocarbon Processing, MPP)

Countries

The IEA's 2026 Energy Crisis Policy Response Tracker identifies 48 electrification measures implemented across 26 countries and regions during 2026, including electric transport incentives, heat pump support and fuel-switching. (IEA)

UNIDO released the initial findings of its Industrial Electrification Readiness Index, the first global assessment of the conditions for electrifying industry, covering 143 countries across power, economics, finance, policy and skills. It identifies 28 country and sector cases ready to scale. (UNIDO)

The following are voluntary country electrification actions profiled or published at COP31:

- The **Pacific Renewable Energy Investment Prospectus** showcased at COP31 lists more than 70 investment-ready renewable projects across 14 Pacific countries, worth over $2bn. (Prospectus / Island Times)
- The **UK** published a **Clean Electrification Roadmap** at COP31 showcasing the steps the UK is taking across buildings, transport, and industry, while developing clean power, grids storage and the system flexibility to unlock the benefits of electrification for families and businesses, including 450,000 heat pump installations a year by 2030 and new cars running solely on petrol or diesel phased out from 2030. (GOV.UK)
- **Türkiye** and **China** signed a preliminary agreement envisaging approximately $15 billion in investment for 7 GW of solar and wind, alongside storage and 4 GW of electricity transmission infrastructure during COP31. (Reuters, 12 November).
- **Ethiopia** announced a new partnership with the UK and Brazil-led Global Clean Power Alliance (GCPA) Finance Mission, with support focused on expertise, investment plans and project pipelines needed to mobilise finance behind Ethiopia's new National Electrification Program (NEP 3.0). (GCPA)
- **Ireland** launched Phase 1 of its **National Electrification Roadmap** at COP31, a sector-by-sector baseline of electrification across heat, transport and industry, laying the groundwork for targeted policy measures in the next phase. (reNEWS / gov.ie**)**
- **Germany** will implement *Germany's Roadmap for Transitioning Away from Fossil Fuels*. Published in September 2026 it has a strong focus on renewable energy and electrification across sectors. A national electrification conference, hosted by BMUKN at the beginning of 2027, will include a follow-up process to accelerate national electrification.
- **Australia** financed additional battery storage in **Palau**, delivered in September 2026 as part of an AUD 16.4 million grid upgrade at the Ngatpang solar plant. The upgrade

will double storage, lift renewables to 25% of Palau's electricity and displace more than one million litres of diesel a year. (Australian Government)

- **China** reaffirmed its goals to raise the share of non-fossil energy in total electricity generation to 50% and for electricity to reach 35% of final energy consumption by 2030 at the COP31 Leaders' Summit (Xinhua). State Grid plans CNY 4 trillion of investment in 2026–2030, 40% more than the previous five years (China Daily)

- **Australia** is building Marinus Link, a 750 MW undersea and underground interconnector that will carry renewable electricity both ways between Tasmania and Victoria. It is backed by concessional finance from the Rewiring the Nation program and expected to support around 2,400 jobs. (Australian Government)

- The **European Commission** reemphasised its Electrification Action Plan at COP31, which aims at making Europe the first electro-powered continent, with an indicative electrification target of 46% by 2040. Reaching this goal could cut the EU's fossil fuel import bill by €260 billion per year. (European Commission)

- **Jordan** launched the MENA region's first National Roadmap for Buildings and Construction during COP31, led by its Ministry of Energy and Mineral Resources with JordanGBC under the Jordanian-German Energy Partnership translating Jordanian climate commitments into practical plans. It identifies 12 projects and about USD 40 million in indicative costs, with five projects starting in 2026 (WorldGBC).

- **OLACDE Ministers** (Latin America and the Caribbean) adopted a decision on the electrification of energy demand in Santo Domingo on 9 October, with 27 country delegations taking part. (OLACDE)

- Türkiye, Senegal and the State of Rio de Janeiro, Brazil joined the **Global Offshore Wind Alliance (GOWA)** during COP31, bringing their growing offshore wind ambitions into a global coalition of more than 30 government members. The Alliance aims to contribute to achieving at least 2,000 GW of global offshore wind capacity by 2050. (GOWA)

Joining the charge

The actions in this Package show that electrification is already being delivered across every region and sector, by governments, cities, businesses and investors alike. But the pace must accelerate. Through the Global Climate Action Agenda, the Axis 1 Coordination Group will build on this Package in 2027, tracking progress, closing implementation gaps and bringing more actors forward. Countries, companies, cities and financiers ready to act are invited to support the 35-by-35 Global Electrification Pledge and the initiatives profiled here, on the road to COP32 and the Second Global Stocktake.

Find out more and join us at www.climatechampions.net/our-work/action-agenda.