

# Quarterly PPP Deal Update

Q3 2023



InfraPPP x WAPPP

# DISCLAIMER



This document has been prepared by **WAPPP** and **InfraPPP by Aninver**, using the information from the InfraPPP database of PPP projects. The analysis of PPP projects found in Infra PPP's private databases is included in this study along with a wealth of market data.

Please note that starting from now, we have made the decision to exclude Energy projects from the publication. Consequently, the number of deals displayed may be affected. However, for comprehensive coverage of

of Energy projects, we recommend referring to **IPP Journal**. IPP Journal specializes in tracking and reporting on Energy-related transactions and can provide in-depth information on the subject. While this publication does not aim to provide an exhaustive list of all transactions currently in effect, our objective remains to highlight significant statistics and trends that may indicate future developments. We highly value your feedback and contributions to enhance the quality of our publication.

# 1. INTRODUCTION

InfraPPP ([infrappworld.com](http://infrappworld.com)) is the leading market intelligence platform in Infrastructure Finance and Investment, with databases of projects (>7,000), M&A transactions (>2,194), global infrastructure funds (>862) and PPP-related companies.

This report was prepared based on the updates from InfraPPP Database for the Q3 of 2023. It covers global public-private partnerships in the infrastructure market, with a specific focus on mega-projects with high investment amounts.

WAPPP and InfraPPP aim here to highlight the evolution of the market over the quarter,

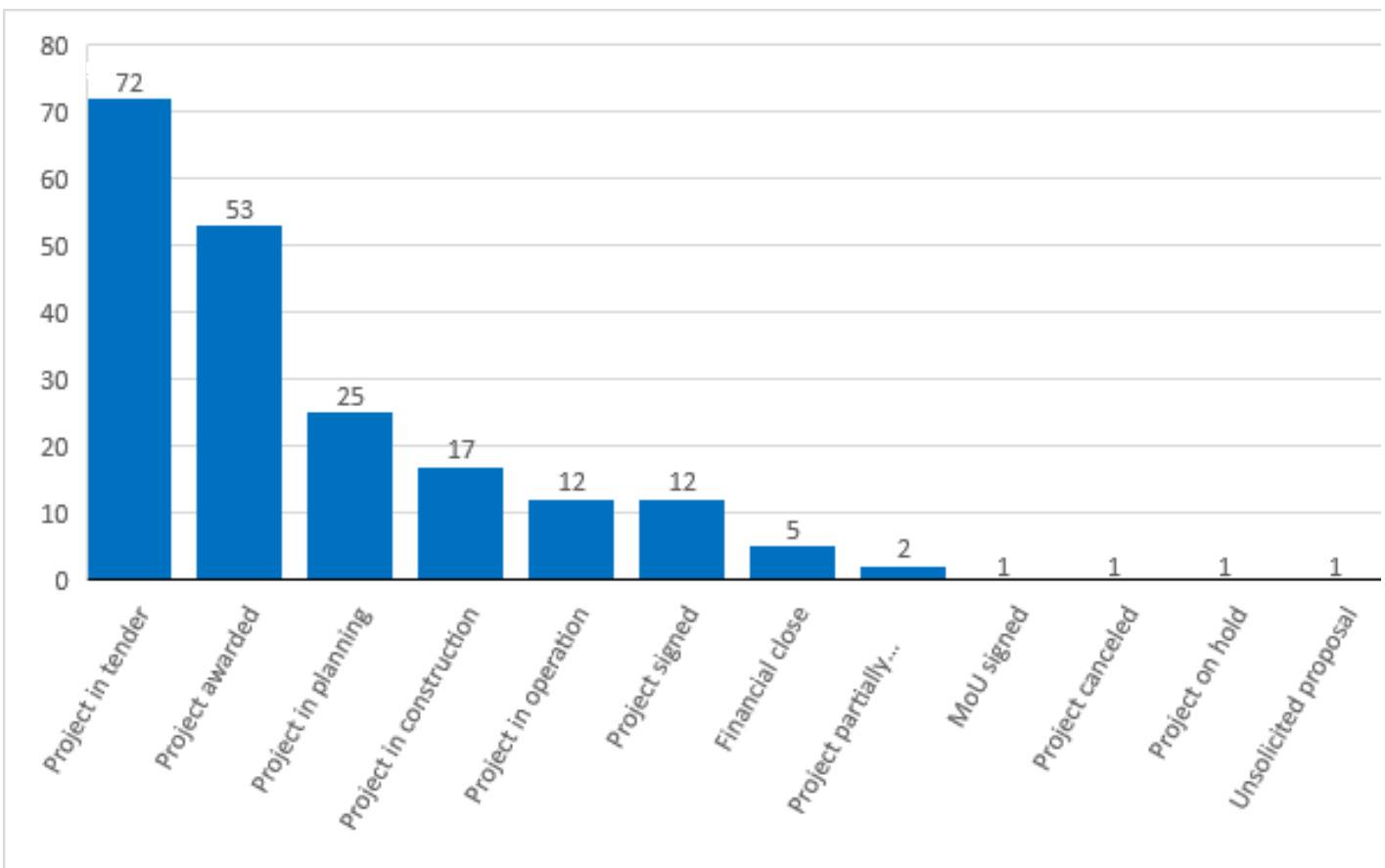
focusing on the overall developments registered globally and across all sectors. Our attention will centre on the deal pipeline to highlight future market opportunities and on cancelled projects for the enhancement of best practices.

The basis of this publication is the Project Update database compiled by InfraPPP; which records the deal updates daily.



# 2. GLOBAL DEAL UPDATES OF 3Q 2023

Graph 1. Global PPP Deal updates in 3Q 2023 (Source: InfraPPP)



Q3 of 2023 sees some easing of inflationary pressures, reduced wholesale energy price volatility and signs of resilience in global demand. However, after Q2 of 2023, geopolitical concerns and market uncertainty continue to hold back infrastructure development.

The Russian-Ukrainian war could have various potential impacts on public-private partnerships (PPPs). The conflict creates a significant level of political and economic uncertainty worldwide, via different channels. On one side, uncertainty leads to increased risk perceptions among private investors, potentially making them more cautious about participating in further PPP projects.

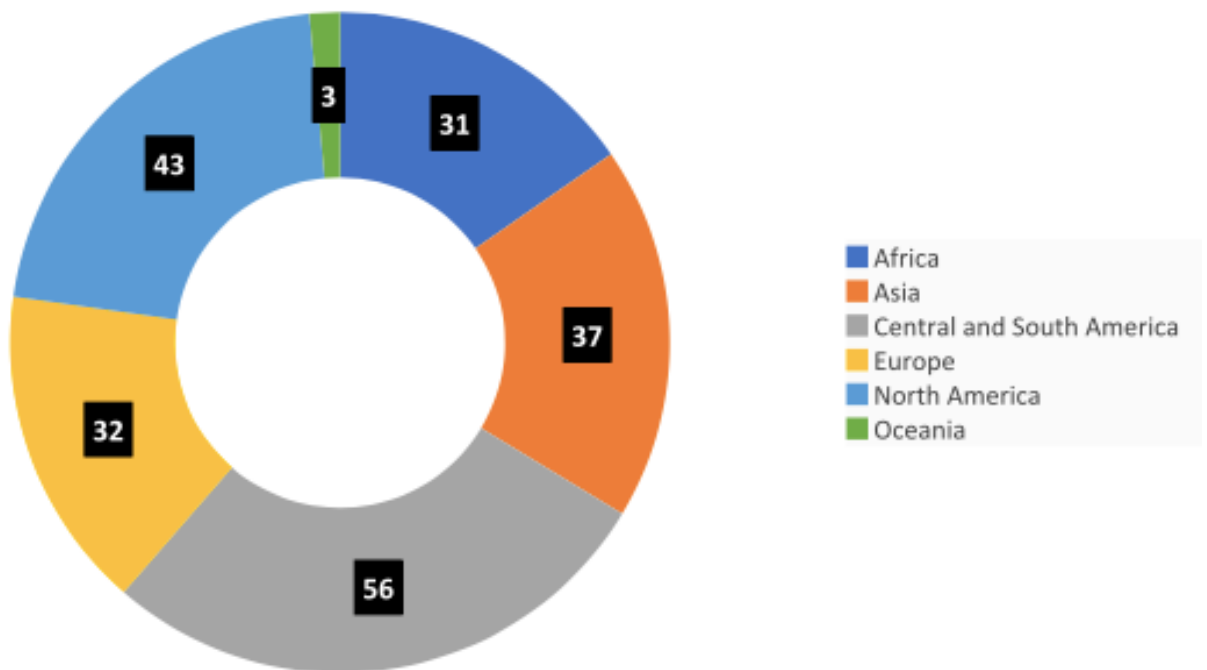
Their concerns mostly relate to the security of their investments and the stability of the legal and regulatory environment. On the other side, the counterparties already involved in existing deals in the affected region can face deteriorating risk profile of their investments, delayed progress in development, and consequent additional costs.

The perception of increased geopolitical risks and the effect of near-peak interest rates in developed markets are among the reasons for a global economic slowdown which is taking a special toll on long term investments, namely infrastructure.

The economic and geopolitical situation described above has affected the number of PPP deals, which decreased from 231 updated PPP deals in Q2 of 2023 to 202 in Q3 of 2023. An encouraging trend is observed in the tender stage of projects, as there has been a slight increase in the number of projects. Comparing the second quarter of 2023 to the current quarter, we count 72 projects tendered, slightly above the 58 of Q2. However, the number of projects awarded has experienced a decline, dropping from 55 to 53 in the current quarter. Whereas projects in the planning phase have seen a slight increase from 23 to 25 in the second quarter of 2023. Finally, the number of projects signed, projects in construction, and projects in operation has remained relatively stable, showing minimal fluctuations.

# 3. DEAL SEGMENTATION

## 3.1. BY REGION



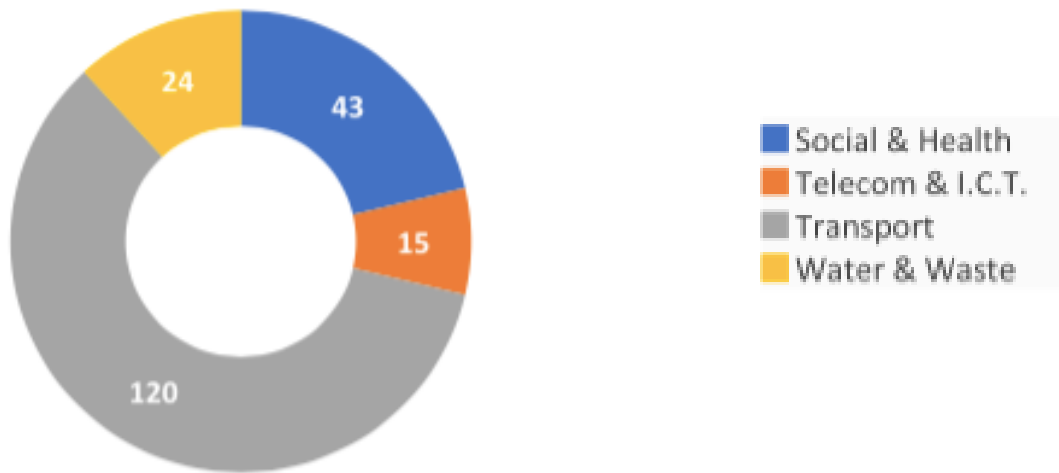
**Graph 2. PPP Deals by region in Q3 2023 (Source: InfraPPP)**

PPP deals are approximately the same in Central and South America in this Q3 2023, from 58 to 56. The volume of deals in Asia dropped by third compared to Q2 2023: 37 deals occurred in Asia (last quarter - 57 deals), the least deals were recorded in Africa (13 in the last quarter, 31 in Q3 2023) and Oceania (2 in the last quarter and 3 in Q2 2023). The greatest number of PPP deals in Q3 of 2023 was made in the United States (39 deals), in the last quarter the United States was also in the lead in the number of deals. The largest active project in the country was the USD6 billion Frederick Douglass Tunnel project in Baltimore.

The new tunnel is aimed at facilitating train speeds of up to 160 km/h, thereby enhancing the efficiency of travel along Amtrak’s Northeast Corridor, connecting Boston to Washington. Peru is the leading country with the highest number of deals in South America (19 deals) followed by Colombia with 14 number of deals, the largest active project in the country was Autopistas del Caribe - Cartagena-Barranquilla freight corridor project in Colombia (US\$6.2B). The next place is occupied by Saudi Arabia and Canada (5 deals each). Brazil has 15 deals, and the largest project in the country was the Sewage collection and treatment services PPP project (US\$6.9B). In Asia, Israel leading the High-speed rail network expansion project (US\$27B). This fresh railway route is set to connect Kiryat Shmona in the north to Eilat. In Africa, south Africa and Egypt were the most active (with total 9 deals).

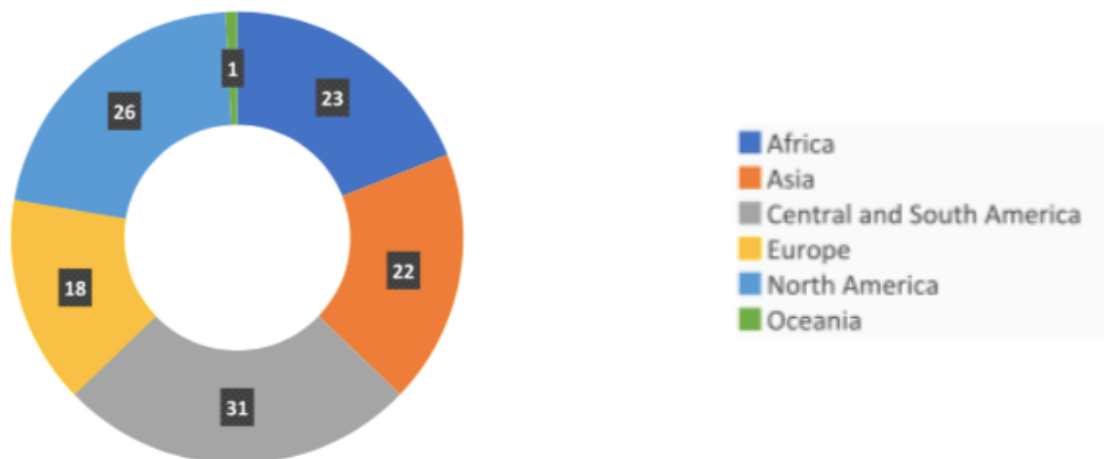
### 3.2. BY SECTOR

Graph 4. PPP Deals by sector in Q3 2023 (Source: InfraPPP)

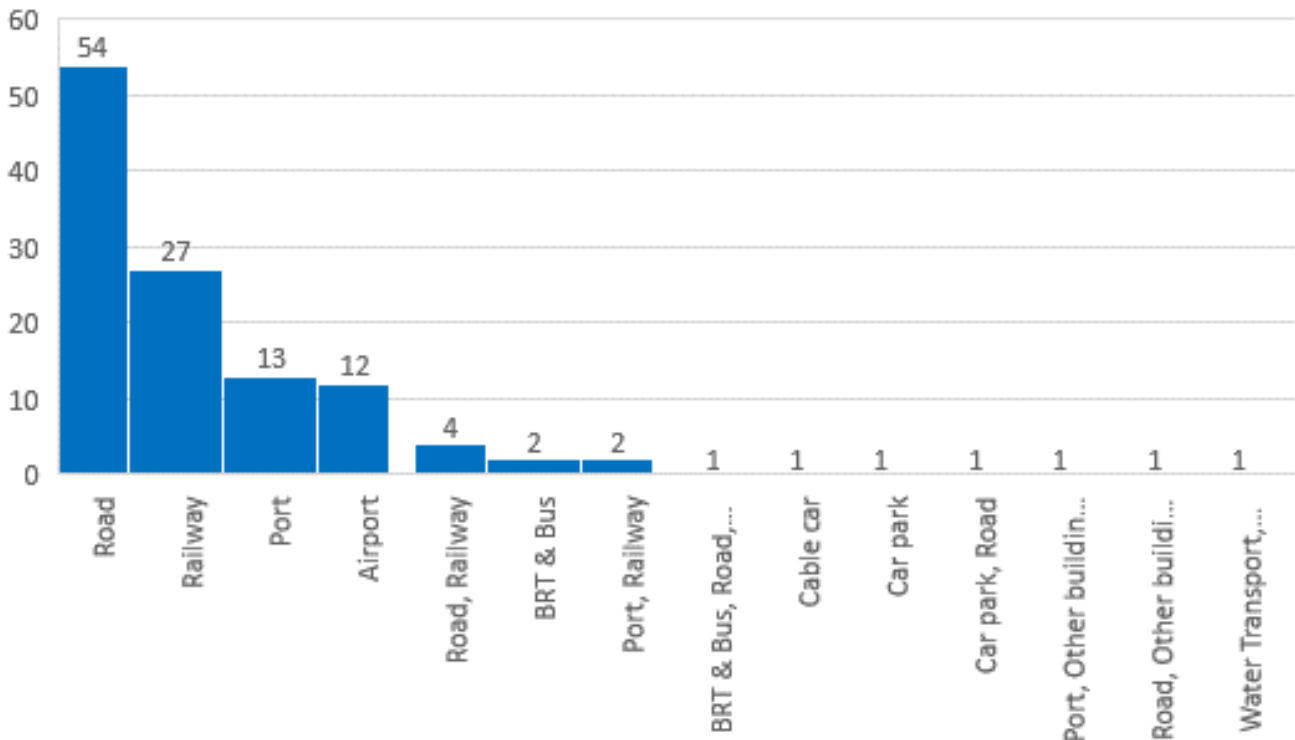


### 3.3. SECTOR IN FOCUS: TRANSPORT

Graph 5. Share of project updates in Transport sector by region in Q3 2023 (Source: InfraPPP)



According to the graph, at the regional level, Central and South America leads in terms of the number of PPP projects in the Transport sector, followed by North America with 26 deals. In terms of sub-sectors, Roads are leading with 54 deals out of 121 deals total in Transport sector, followed by Railways & Airport projects.



**Graph 6. Number of projects by Transport subsector in Q3 2023 (Source: InfraPPP)**

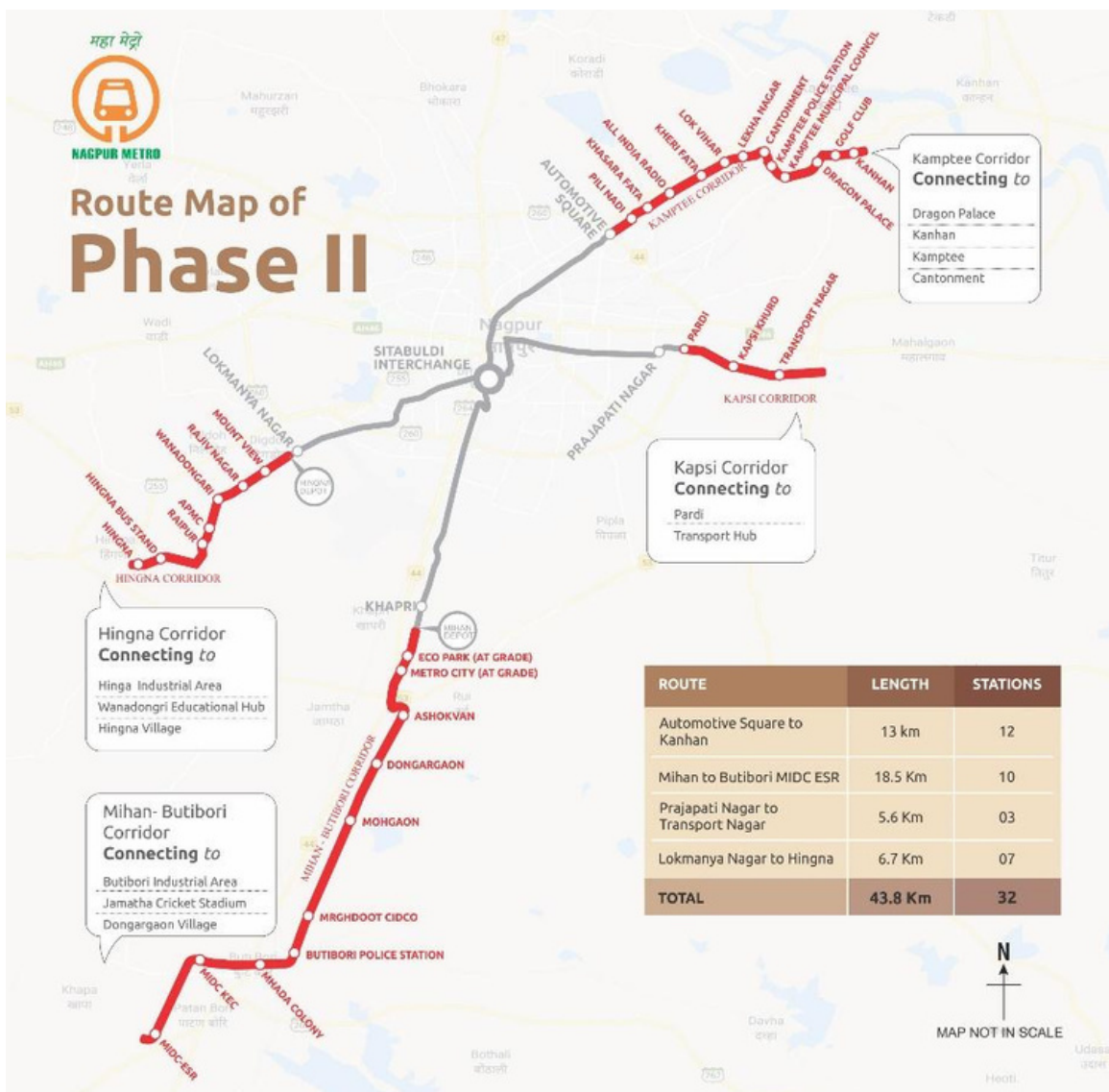
The number of deals in Q3 2023 almost remains the same in the Transport sector: in Q2 2023, 126 deals were made, while in Q3 2023 - 121 deals. Such constant number of deals can be deemed positive in the current conditions of the global crisis. The development of transportation infrastructure, such as roads, highways, railways, and ports, can stimulate economic growth by facilitating the movement of goods and people. This, in turn, can boost economic productivity and create jobs. Efficient transport systems promote international trade by reducing the cost and time of moving goods across borders. This can lead to increased exports and economic expansion. Investment in sustainable and green transport solutions, such as public transit and eco-friendly vehicles, can help reduce greenhouse gas emissions and air pollution, contributing to a healthier environment. Transport infrastructure is typically a long-term investment that can provide benefits for decades, contributing to sustainable development. It's important to note that government investment in the transport sector should be planned carefully.



# 3.4. Deal In Focus: Transforming Nagpur's Mobility: Nagpur Metro Phase 2 PPP Project, in India

Urban development and efficient transportation systems play a pivotal role in shaping the future of our cities. The Nagpur Metro Phase 2 project is a remarkable example of how Public-Private Partnerships (PPPs) are driving progress in urban mobility and infrastructure development in Nagpur, India. This project aims to expand and enhance the existing metro network, significantly improving the city's transportation landscape.

**Nagpur Metro Project Overview:** The Nagpur Metro project, in India, is a vital component of Nagpur's urban development plan, aimed at providing a sustainable, reliable, and efficient public transportation system. Phase 1 of the project, spanning 13.5 kilometers, was inaugurated in 2019, marking a significant milestone in the city's mobility transformation. Phase 2 is now underway, furthering the city's journey towards becoming a smart, well-connected metropolis.





## Key Achievements and Developments

**Expansion and Connectivity:** One of the most notable achievements of Phase 2 is the expansion of the Nagpur Metro network. New lines and extensions are being added, promising improved connectivity across the city. This expansion will address the rising demand for public transportation and alleviate traffic congestion.

**Technological Advancements:** The Nagpur Metro Phase 2 project places a strong emphasis on technological innovation. Advanced signaling, communication, and control systems have been integrated, enhancing both the safety and efficiency of the metro system.

**Sustainability Initiatives:** The project is committed to environmental sustainability, incorporating features like the generation of solar power at metro stations. Additionally, energy-efficient technologies are being employed to minimize the environmental impact.

**Economic Benefits:** Beyond transportation improvements, the project contributes significantly to the local economy. Job creation and increased business opportunities are direct results of this infrastructure development. The project also attracts investments and fosters economic growth.

**Quality of Life Enhancement:** The Nagpur Metro Phase 2 project has already begun to enhance the quality of life for Nagpur's residents. By providing a fast, reliable, and accessible mode of transportation, it reduces the city's reliance on private vehicles, easing traffic congestion and reducing air pollution.

## The Successful PPP Model

The Nagpur Metro Phase 2 project stands as a testament to the effectiveness of the PPP model in large-scale infrastructure development. Through collaboration between the local government and the private sector, the project is being executed efficiently and sustainably.

This project is significantly funded by institutions such as the Asian Development Bank (ADB) and the European Investment Bank (EIB), reflecting the international community's confidence in the project's potential to drive economic growth and urban development in Nagpur.

As the project continues to evolve, it is set to further transform the city's mobility and the lives of its residents. The Nagpur Metro Phase 2 project underscores the critical importance of modern infrastructure investments in shaping the sustainable growth of cities and the well-being of their citizens.

For more detailed information on the Nagpur Metro Phase 2 PPP project, you can refer to the following sources:

[Official Nagpur Metro Phase 2 Website](#)  
[Infraapp World – Nagpur Metro Phase II PPP Project](#)

# 4. PROJECTS IN FOCUS IN 2Q 2023

## 4.1. MOST ACTIVE COUNTRIES

COUNTRY	NUMBER OF UPDATES	SECTOR
USA	39	Transport -24 Social & Health -8
Colombia	14	Transport - 13 Water & Waste - 1
Peru	19	Transport -4 Water & Waste -4
Saudi Arabia	5	Water & Waste - 4 Social & Health -1
Canada	4	Transport -2 Social & Health -2
Brazil	15	Transport -5 Social & Health -4

**Table 1. Most active countries by updated deals in Q3 2023 (Source: InfraPPP)**

The greatest number of PPP deals in Q3 of 2023 was made in the United States (39 deals). Peru is the second-highest deal-producing nation with 19 deals followed by Brazil with 15 deals. The position 4th is occupied by Colombia with 14 deals. Saudi Arabia and Canada take the next two spots, both with 5 and 4 transactions respectively. Transport is the top sector with 121 deals out of 202 in Q3 2023 followed by Social and Health (43 deals). This is likely because these sectors are essential to the functioning of a country and can provide significant benefits to citizens.

The data also suggests that North America and South America are the most active regions for PPP projects. This is likely since these regions have strong economies and a growing demand for infrastructure. Overall, the data shows that PPP projects are a growing trend around the world. These projects can provide significant benefits to countries and their citizens, and they are likely to become even more popular in the future.

## 4.2. LARGEST CAPITAL VALUE



### La Dorada – Chiriguaná railway corridor project in Colombia

Country	Stage
Central and South America	In Tender
Subsector	Value
Railway	USD 76 bn

The project involves the operation, maintenance, conservation and improvement of the 522 km La Dorada (Caldas) – Chiriguaná (Cesar) railway corridor in Colombia.

The scope of work includes the construction of an administrative building, a center of cargo transfer in the municipality of La Dorada, maintenance of the infrastructure and rolling stock and a new traffic control system. The vital railroad corridor connecting the country's interior with the Caribbean region runs along the La Dorada-Chiriguaná segment, passing through the departments of Caldas, Antioquia, Santander, and Cesar.



### High-speed rail network expansion project in Israel

Country	Stage
Israel	In Planning
Subsector	Value
Railway	USD 27 bn

The project involves the expansion of a high-speed rail (HSR) network in Israel.

The HSR system enables Israelis to access government and business hubs across the nation in less than 2 hours, regardless of their location. This fresh railway route is set to connect Kiryat Shmona in the north to Eilat, a prominent Red Sea destination in the distant south. Concurrently, initiatives are being developed to establish road connections between the Gulf nations and Israel, aiming to boost trade and lower shipping expenses via truck transportation. Termed the "land bridge," this corridor would traverse from Israel to the UAE, traversing Saudi Arabia and Jordan en route to Israeli Mediterranean ports.



### Full fibre infrastructure roll out project in UK

Country	Stage
UK	Awarded
Subsector	Value
Telecom	USD 6.1 bn

The project involves the full fiber digital infrastructure rollout in Cambridgeshire, Norfolk, Hampshire and Suffolk in the UK. These deployments will extend 'gigabit capable' infrastructure to 715,000 rural properties that would otherwise lack access to commercial rollouts. CityFibre's expansive full-fiber network now reaches more than 3 million premises, with over 2.7 million Ready For Service. The company continues to expand its full-fiber network, aiming to cover up to one-third of the UK. All of CityFibre's rollouts now incorporate the latest full-fiber technology, known as XGS-PON.



### Frederick Douglass Tunnel project in Baltimore

Country	Stage
USA	Awarded
Subsector	Value
Road, Railway	USD 6 bn

The project involves the Construction of The Frederick Douglass Tunnel replacing the Civil War-era Baltimore and Potomac Tunnel in Baltimore, Maryland, USA. The Frederick Douglass Tunnel, designed as a modern twin-bore structure, will serve as a replacement for the aging Baltimore and Potomac Tunnel, which dates back to the Civil War era and is experiencing issues like leaks and gradual sinking. The new tunnel is aimed at facilitating train speeds of up to 160 km/h, thereby enhancing the efficiency of travel along Amtrak's Northeast Corridor, connecting Boston to Washington.

## 4.3. TENDER STAGE ABOVE USD500MN



### Dubai Strategic Sewerage Tunnels PPP Project

Country	Value
UAE	USD 22000 mn
Subsector	
Water & Waste	

The project involves building a deep-tunnel sewer network in the Deira and Bur Dubai areas of Dubai. The 26 km tunnel and the 56 km deep tunnel sewer will be split into 2 contracts. The tunnels terminate at two terminal pumping stations located at the Wastewater Treatment Plant (WTP) at Warsan and Jebel Ali.



### Kuala Lumpur – Singapore High Speed Rail (KL-SG HSR) Development Project

<b>Country</b>	<b>Value</b>
Singapore	
<b>Subsector</b>	USD17000 mn
Railway	

The project involves the development of the Kuala Lumpur – Singapore High-Speed Rail (KL-SG HSR). The scope of work includes the designing, building, financing and maintaining of all rolling stock and rail assets e.g. trackwork, power, signaling, and telecommunications for the KL-SG HSR line. The 375 km long HSR line stops at 8 stations, having terminals in Bandar, Malaysia and Singapore. It will have 6 intermediate stations in Putrajaya, Seremban, Ayer Keroh, Muar, Batu Pahat, and Iskandar Puteri. The trains will run at a top speed of more than 350km/h.



### Long Thanh Airport PPP project

<b>Country</b>	<b>Value</b>
Vietnam	
<b>Subsector</b>	USD 16030 mn
Airport	

The new facilities aims to alleviate traffic congestion at Ho Chi Minh City's Tan Son Nhat Airport. The Long Thanh Airport, which is expected to become an important international airport for the country and an aviation hub in the region, is designed to have capacity for 100 million passengers and five million tonnes of cargo after three phases of the project are completed in 2050.

The new facilities are expected to have one runway and one terminal able to handle 25 million passengers and 1.2 million tons of cargo a year in phase one, which is expected to be operational by 2025.



### Dhaka Mass Rapid Transit Development Project (Line-5)

<b>Country</b>	<b>Value</b>
Bangladesh	
<b>Subsector</b>	USD 3713 mn
Railway	

This project involves the development of a 17.4 km Metro Line 5 South in Dhaka, Bangladesh.

The 4.6 km long Aftabnagar Center–Balirpar section will have an elevated line, while the 12.8 km long Gabtoli–Aftabnagar West section will be constructed underground. The metro line will have 14 stations and carry nearly 1 million passengers each day.



### Bogotá Metro Line 2 Construction PPP project

<b>Country</b>	Colombia	<b>Value</b>  USD 3600 mn
<b>Subsector</b>	Railway	

The project involves the development of Bogotá’s 2nd Metro Line (B2ML) in Colombia. The new line will be 15.8 km in length and 11 stations, benefiting 2 million users. It will consist of a 13.5-km underground section with tunnel diameters of 7 m, a 1.9-km ground-level section and a 0.4-km elevated section. Metro Line 2 will connect Line 1 from Calle 72 with Avenida Caracas to the Fontanar del Rio in Suba, passing through Engativá. The project is part of a plan to equip Bogotá with a modern public transport system consisting of 5 metro lines, 7 cable cars and 2 tram systems.

## 4.4. PLANNING STAGE ABOVE USD500MN



### Kildare Innovation Campus Expansion Project in Ireland

<b>Country</b>	Ireland	<b>Value</b>  USD2659 mn
<b>Subsector</b>	Social & Health	

The project involves the expansion of the Kildare Innovation Campus (KIC) in Parsonstown near Leixlip, Ireland. The planning proposal for the former HP (Hewlett Packard) campus outlines a comprehensive expansion plan that encompasses the construction of two cutting-edge 'deep tech' structures, four new data center facilities, and the establishment of an Energy Centre. This expansion is scheduled to occur in three phases, spanning from 2024 to 2035. The proposal also incorporates a substantial increase in building space, adding a total of 152,138 sq m of new structures to the existing development, resulting in a combined area of 195,525 sq m that includes both existing and proposed buildings.



### Metro Rail Transit Line 4 Project in Manila

<b>Country</b>	Philippines	<b>Value</b>  USD1792 mn
<b>Subsector</b>	Railway	

The project involves the construction of a high-capacity mass transit railway system (MRT-4) serving the eastern part of Metro Manila in the Philippines. The MRT-4 will span 12.7 km, connecting from the Epifanio de los Santos Avenue (EDSA) Ortigas Ave. junction to Taytay, Rizal, and will include 10 stations. This project has a key objective of enhancing urban mobility while also contributing to the reduction of greenhouse gas emissions. By implementing the MRT-4, the travel time from Taytay to the Ortigas central business district is expected to be less than half an hour via rail. Once operational, the MRT-4 is expected to serve more than 400,000 passengers daily.



**Damietta port container terminal development project in Egypt**

<b>Country</b>	<b>Value</b>
Egypt	
<b>Subsector</b>	USD 665 mn
Port	

The project involves the development of a second container terminal (CT II) at Damietta port in Egypt. The terminal is designated for the storage and management of grain and food products, encompassing an area of 28,500 sq m. The project entails enhancing the infrastructure and acquiring equipment for CT II, a move that will greatly enhance the competitive advantage of Damietta Port.



**San Juan de Marcona port PPP project in Peru**

<b>Country</b>	<b>Value</b>
UAE	
<b>Subsector</b>	USD 520 mn
Port	

The project involves the construction of a new port terminal for public use in accordance with international standards, specializing in the provision of services for the storage and shipment of iron and copper concentrates. The port will serve up to 47 million metric tons of minerals and resources from major mining projects in the southern part of the country.



## 4.4. CANCELLED



### University of Alaska Fairbanks Utility System PPP Project

Country	Value
Brazil	
Subsector	
Oil & Gas, Energy efficiency, Other building & Urban Infrastructure	USD 1248.84 mn

The project involves the operation of on-campus utilities and Combined Heat and Power plant (CHP) at the University of Alaska Fairbanks (UAF), USA.

The CHP comprises one 240,000 pounds-per-hour coal-fired boiler and one 17 MW steam turbine generator, with the potential to be converted to natural gas in the future. The project's scope includes Steam and condensate, Electrical distribution, Chilled water, Domestic water, Compressed air and Sanitary sewer. The UAF Utility System PPP Project has the potential to provide a number of benefits including:

- Increased reliability and efficiency of the utility systems;
- Reduced operating costs;
- Increased capital investment in the infrastructure; and
- Enhanced sustainability.

#### Cancellation Reason:

The University of Alaska hereby cancels the Concession Services for the UAF Utility System due to changed market conditions and uncertainty in the viability of the partnership structure.

The University may revisit the project in the future and explore other public-private partnerships.



## 4.5. FINANCIAL CLOSURES



### Transit Stations Bundle Rehabilitation PPP in New York



### Pamplona - Cucuta toll road construction PPP project in Colombia

Country	Value
USA	
Subsector	
Road	USD 2500 mn

The project involves the improvement of the North Tarrant Express (NTE) toll road in Texas, USA.

The project includes the following segments: the 3A segment (10.5 km), which runs along the I-35W from Fort Worth to IH-280, with the interchange between the I-35W and the IH-820; and the 3B segment (5.8 km), running from the interchange with the IH-820 to US 287. The new segment 3C will extend along 6.7 miles (11 km), from Heritage Trace Parkway, north of US 81/287, to Eagle Parkway, in Denton County. Existing lanes will be upgraded and will continue to be toll-free, while two tolled Managed Lanes each way will be built, as well as on-ramps.

The project spans more than 13 miles (22 kilometers) along Interstate Highway 820 and State Highway 121/183, helping link downtown Fort Worth with Dallas-Fort Worth International Airport.

Country	Value
Colombia	
Subsector	
Road	USD642 mn

The project involves the upgradation and operation of a 62.2 km section of road in the north of the Department of Santander, connecting the cities of Pamplona and Cúcuta in Colombia.

The project scope comprises various works, including:

- Construction of 49.97 km of new road, which includes both divided and undivided highway sections, connecting the second carriageway with the simple carriageway;

- Rehabilitation of 51 km of the simple carriageway and 11 km of double carriageway between Pamplona and the Betania sector in Los Patios, located in the northern region of Santander;

- Construction of 2 tunnels, measuring 1.4 km and 1.1 km in length, respectively; and
- Bridge construction, including 25 vehicle bridges and 4 pedestrian bridges, as well as the rehabilitation of 23 existing bridges..



### Reno College of Business Building Development Project in Nevada

<b>Country</b>	<b>Value</b>
USA	
<b>Subsector</b>	N/A
Education	

The project involves the development of the College Business building in Reno, Nevada, USA. The new facility, spanning 128,000 sq ft, is designed to offer a comprehensive range of spaces aligning with modern business education's best practices. It includes a 300-seat auditorium, state-of-the-art technology labs, teaching spaces optimized for case-method learning, a café/social area, team meeting rooms, collaboration zones, faculty and innovation.



### Fibre network development project in Essen

<b>Country</b>	<b>Value</b>
Germany	
<b>Subsector</b>	N/A
Telecom	

The project involves the expansion of a large-scale fiber network in Essen, Germany. The project aims to connect around 150,000 households and drive economic advancement, transforming Essen into a smart city. DIF Capital Partners is an independent infrastructure fund manager with significant AUM and a focus on mid-market investments in various sectors across the globe.

# 5. TÜRKIYE: DEVELOPMENTS IN ENERGY PPPS

By **Monica Bertodatto**, WAPPP Member



**T**ürkiye has been using PPP deals since the mid 80's, however only after the introduction of Law No. 3996 in 1994, the PPP model has become widespread and implemented across different sectors from highways to airports, marinas and customs gates.

The power sector was one of the first and largest beneficiaries of this instrument, due to the rapidly growing demand for electricity. The projects were mostly BOT (Build-Operate-Transfer) and BO (Build-Operate) power stations. In Turkey's PPP power projects, the electricity price was determined by the Minister of Energy and Natural Resources and implemented by the power purchase agreement ("PPA") with the distributor monopolist Turkish Electricity Generation Transmission Corporation, for terms between 15 to 30 years.

The PPA usually stipulated a take-or-pay clause, clearly specifying the quantity and price of power purchase (or the price calculation formula), so that the distributor was obligated to purchase the electricity generated by the project in full amount. The stable cash flow provided by the long-term power purchase commitment and the take-or-pay arrangement laid a sound foundation for the financing and stable investment returns of such projects. A PPP power project agreement usually stipulated an "electricity price adjustment clause". In addition to price index based adjustments, the electricity price would also be adjusted if the geological and hydrological conditions in a hydropower project changed unexpectedly, or the fuel price increase for a thermal power project affected the expected economic benefits of the project. PPAs would also stipulate the compensation mechanism in case of force majeure.

However, with the increasingly excessive power supply, these PPP power stations have become a burden on the power market due to their high cost and low efficiency. Therefore, Turkey promulgated the Electricity Market Law (No.6446) in 2001, aiming to fully open up its electricity market and integration with the EU. Since then, Turkey's electricity market reform has started and displayed two main features.

Firstly, the government gradually shifted its attention to the renewable energy segment, with large projects under deployment. Secondly, as most early contracts for BO and BOT power stations had reached expiry around 2018 or 2019, and the Electricity Market Law (No.4628) explicitly prohibited provision of guarantee by the Ministry of Finance under such models, the ownership of the stations returned to the state while the operating rights was given to private sector in exchange for a concession fee. The Turkish Government therefore gained significant amounts from Transfer of Operating Rights (ToR) fees but also continued to benefit from operational effectiveness and dynamism of its private partners.

In 2013, the Turkish PPP system has gained a new dimension with the introduction of the Law No. 6428 enabling the use of Built-Lease-Transfer (BLT) model especially used in procurement of city hospital projects.

At the end of 2022, total of 270 PPP projects with contract value of USD 196.16 billion has been realized under 4 main models, BOT, BO, BLT, and ToR.

Sector	Volume (by number)	Volume (by ratio)
Motorway	44	16,6 %
Airport	20	7,55 %
Marina	20	7,55 %
Railway	1	0,38 %
Culture and Tourism	1	0,38 %
Border Gate	23	8,68 %
Industrial Facility	2	0,75 %
Health Facility	18	6,80 %
Energy	102	38,49 %
Port	24	9,05 %
Mining	8	3,02 %
Solid Waste	2	0,75 %

\* Data from <https://koi.sbb.gov.tr> as of 01.03.2021, for the updates you may visit [www.sbb.gov.tr](http://www.sbb.gov.tr).



## 6. CONCLUSION

Q3 2023 sees a decrease in deal updates from 231 to 202. Planned projects increased from 23 in Q2 of 2023 compared to 25 in the current quarter. However, the number of signed projects remains the same. Note that for this quarter there is one canceled project i.e. University of Alaska Fairbanks Utility System PPP Project.

By region, PPP deals approximately remains same in Central and South America in this Q3 2023, from 58 to 55. The volume of deals in Asia dropped by 1/4th compared to Q2 2023: From 57 deals to 37 deals).

Transportation, as in Q2 of 2023, occupies a leading position in terms of completed deals. This sector is followed by Social & Health.

In Q3 2023, the United State is still the most active country in drafting PPP deals (39 deals). Colombia is the leading country with the highest number of deals in South America (14 deals) followed by Peru with 19 number of deals. The next place is occupied by Italy and Greece (7 and 6 deals respectively).



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