

Infrastructure Key Projects Database

User Guide & Methodology

Fitch Solutions' Infrastructure Key Projects Database is a comprehensive catalogue of the largest construction projects around the world. Currently the database stores projects in over 200 markets across the energy and transport infrastructure sectors, as well as the residential and non-residential building sectors.

Fitch Solutions' Infrastructure Key Project Database is a highly valuable analytical tool. It compiles data from a comprehensive list of national and international open sources and renders the information in an accessible, standardised and searchable format. It can be used in the following ways:

- Identify key project developments at a regional, country or sector level
- Generate projections using project Value, Capacity/Size and Timeframe information
- Benchmark forecasts against project activity and project completion rates
- Plot the project pipeline and pinpoint bottlenecks in the project lifecycle using Status information
- Gauge capital investment and investment volumes by country, sector and stage of development
- Conduct competitor and competitive landscape analysis based on company information, nationality and role.

Guide

The database is an interactive online tool, with the user able to search via geography, sector, company or project details using the screening function. Once results are returned, data can be exported into Excel to allow the user to perform further calculations and build graphics with the data. A user is also able to save a search if regular project searches with set criteria are needed.

The database displays information across the following fields when available, allowing the user to search and filter projects according to their requirements:

- Project name
- Country
- Sector, Sub-sector & Project Type
- Type of contract: Public/Private, Procurement Type, PPP model
- Value in millions of US dollars
- Capacity or size
- Project Participants: Participant Role (Construction, Sponsor, Financier etc.) & Nationality
- Construction Timeframe
- Project Status
- Additional Information/Notes

Sectors

Main Sector	Sub-Sector	Examples
Energy & Utilities	Power Plants & Transmission Grids, Oil & Gas Pipelines, Water	Substations, Transmission Lines, Power Generation, Gas distribution, Sewage systems, Desalination Plants
Construction	Commercial Construction, Industrial Construction, Residential Construction	Offices, Shopping Malls, Refineries, Cement Plants, Apartment Complexes, Housing Developments
Transport	Ports, Rail, Roads & Bridges, Airports	Dredging, Terminals Mass Transit, High Speed Rail, Highways, Hangars, Aprons, Runways
Social Infrastructure	Education, Healthcare, Other	Schools, Universities, Hospitals, Clinics, Prisons, Government Buildings

Company Roles and Project Status

For the purpose of updating and maintaining the Infrastructure Key Projects Database, we follow the below conventions.

Definitions when classifying companies and roles.

Sponsor	The public or private entity that is procuring or promoting the project; government bodies, ministries and investment promotion agencies are often considered public sponsors and are sometimes the end user or operator as well.
Financier	The loans/funds provider for the project. Can include banks, pension funds, private equity, sovereign wealth funds, multilaterals, export credit agencies and institutional investors. It can also include national, local and municipal governments - which can invest in a project directly in order to maintain oversight.
Feasibility	Companies carrying out surveys, project impact studies, feasibility studies and land supervision tasks (prior to finalising the location).
Design/Architect	Project designer and/or architect. This sometimes overlaps with project consultant/project management work (below).
Consultant/Project Management	Consulting services provider/ project supervisor during project implementation phase / company in charge of the project's documentation/ design consultants.
Construction	Responsible for core construction work; includes EPC services providers.
Equipment	Suppliers of equipment for project development; suppliers of construction machinery and building materials. This is pertinent to companies such as Alstom, which are responsible for providing things like signalling equipment for railways. In the power sector this can also include turbine manufacturers; in the case of renewable power projects, the equipment providers are included under this tab as well as under the 'Renewable Equipment Provider' tab.
Operator	Company responsible for the operation of the project.

Definitions when classifying Project Status

Announced	Initial announcement of the project. It is generally made by the government (a ministry or agency) or the would-be operator of the project.
At Planning Stage	This phase includes project planning before construction starts, including while the project is seeking financing. As planning work is required across several phases of the project life cycle, more detail is often provided in the 'status notes' for projects under this category.
Approved	When approval of construction is obtained or when the project has been approved by the related ministry or government agency.
Feasibility Studies/EIA Underway	While any study related to the project is underway i.e environmental impact assessment (EIA).
In Tender/ Tender launched	Refers to the bidding phase, when the tender is launched (the pre-contract awarding phase). Not to be selected if planning for tender is underway.
Contract Awarded	To be selected only when the construction contract is awarded. When other contracts are awarded, such as the project management contract or the design contract, the project is likely to be classified under the planning stage category.
Project Finance Closure	When financing is secured, even if it is only partial.
Under Construction	When construction has started or it is reported that construction is underway, nearing completion, finalising works, etc.
Completed	Once construction work is completed.
Suspended	When the project is put on hold at any stage of development. Additional information is often provided in the 'status notes' column.
Cancelled	When a project is officially cancelled.

Thresholds

Fitch Solutions' Key Projects Database consists of the 'key' projects in a given sub-sector of the infrastructure industry. It does not include all projects underway, rather the largest and most important. We employ the following thresholds.

- Power Projects in excess of 50MW
- Other Energy & Utilities Projects (Water, Oil & Gas Pipelines) in excess of USD30mn
- Transport Projects in excess of USD30mn
- Social Infrastructure Projects in excess of USD30mn
- Construction Project Thresholds vary by region (Values USDmn)

	SSA	NAWE (Incl. Mexico)	CEE	MENA	South & South East Asia	China, India, Japan, Korea, Australia, Singapore, New Zealand	Latin America
Commercial	20	100	50	100	50	100	50
Residential	20	100	50	50	50	100	50
Industrial	10	50	30	30	30	50	30
Social Infrastructure	10	30	30	30	30	30	30

Lower thresholds apply to small countries, including those in the Caribbean.

For Parent/Child project relationships, the Key Project Database lists the total value of the project in the 'status notes' column and the value of the section/phase in the 'value column' as they are announced.

Sources

The project information is sourced from a number of open sources, including: local and international news sources, company press releases and websites, government and ministry press releases and websites, and multilateral organisations press releases and websites.

Maintenance

- The update process of the Key Projects Database is constant, with information researched and projects added and updated daily by our analysts, as well as a structural quality control and update cycle running concurrently for existing projects. All projects are checked on a biannual basis.
- Projects are kept in the database for up to five years after completion.
- Whilst the Key Projects Database is maintained to the best of our capacity, given its sheer size and occasionally contradicting news sources, there is a slight margin for error on the data provided.

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