

# Further Reading for Disruption and PPPs

## Disruption and PPPs

### Further Reading

How can private sector adoption of emerging technologies be supported within existing and future PPP projects? How can new technologies be harnessed to strengthen PPP projects going forward? Which parties should bear the burden of the risk of obsolete and stranded assets? And how can governments “future-proof” their pipeline PPPs? Please find resources for Disruption and PPPs below.

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**Watch this space.** This section is based on the Report "[PPP Contracts in An Age of Disruption](#)" and will be reviewed at regular intervals. Visit the [Content Outline](#), or [Download the Full Report](#) to find out more. Let us know what you think by taking a [Quick Survey](#).

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## **Disruptive Technology**

[Developing Artificial Intelligence Sustainably: Toward a Practical Code of Conduct for Disruptive Technologies](#)

[IFC Technology Code of Conduct— Progression Matrix](#)

[Reinventing Business through Disruptive Technology](#)

[Hydrogen May Be The Crucial ‘Jigsaw’ Piece For Green Microgrids](#)

[The Impact of Technological Disruption on Infrastructure](#)

[Unmanned Aerial Vehicles \(UAV\) for Freight and Logistics](#)

[Artificial Intelligence: Definition, Advice, Comparisons, Testimonials...](#)

[Artificial Intelligence \(AI\) in Construction Market to Reach USD 4.51 Billion By 2026](#)

[Virtual and Augmented Reality for Planning and Design](#)

[6 ways the Internet of Things is improving our lives](#)

[Disruptive Technologies and Transportation](#)

[Disruptive technologies: Advances that will transform life, business, and the global economy](#)

[Smart Grids](#)

[Estimated average battery capacity in electric vehicles worldwide from 2017 to 2025, by type of vehicle](#)

[The future of transport is here. Are you ready?](#)

[Ride Sharing Market Size Worldwide in 2021 and 2026](#)

[Plug-In Electric Vehicle Handbook](#)

[The World's Electric Vehicle Fleet Will Soon Surpass 20 Million](#)

[Hyperloop for High-Speed Passenger Transport](#)

[Forms of Transport Automation](#)

[Autonomous Vehicles: Are You Ready for the New Ride?](#)

[Why augmented reality will increase safety and efficiency in utility sector](#)

[Mainstreaming the Approach to Disruptive and Transformative Technologies at the World Bank Group](#)

[Disruptive Technologies and the World Bank Group—Creating Opportunities—Mitigating Risks](#)

[Vehicle to Infrastructure \(V2I\) Connectivity](#)

## **Infrastructure and PPPs**

[The Effects of the Financial Crisis on Public-Private Partnerships](#)

[Selected Good Practices for Risk Allocation and Mitigation in Infrastructure in APEC Economies](#)

[Disruptive Technology Brings Risk and Opportunity to Infrastructure Projects](#)

[InfraTech in GIH](#)

[G20 Riyadh InfraTech Agenda, Background](#)

[Infratech Policy Toolkit](#)

[Infratech Value Drivers](#)

[InfraTech Stock Take of Use Cases](#)

[Why the world needs a fresh take on smart and sustainable infrastructure](#)

[The PPP project A3 AK Biebelried – AK Fürth/Erlangen](#)

[SFpark Pilot Program](#)

[Challenges and opportunities beyond 2021](#)

[2020 Global Risks for Infrastructure: Appendix](#)

[Framing Stranded Asset Risks in an Age of Disruption](#)

[Resetting price controls for privatized utilities: a manual for regulators](#)

[Public Private Partnerships in the EU: Widespread shortcomings and limited benefits](#)

[Financing PPP Projects with PVR Contracts: Theory and Evidence from the UK and Chile](#)

[Understanding Power Purchase Agreements](#)

[OFGEM](#)

[Covid-19 – implications under French Law and guidelines for future project finance transactions](#)

[PPP Contract Management](#)

[Covid 19, Frustration of Purpose and Impossibility](#)

[Contracts and COVID-19](#)

[Victorian Desalination PPP](#)

[Bringing PPP into the Sunlight – Synergies Now and Pitfalls Later?](#)

[G20 Principles for Quality Infrastructure Investment](#)

[The Regulatory Asset Base Model and the Project Finance Model: A Comparative Analysis](#)

[Public-Private Partnership \(P3\) Procurement: A Guide for Public Owners](#)

[PFI and Covid-19 Guidance Note](#)

[Project Profile: Puerto Rico PR-22 and PR-5 Lease](#)

[Public-Private Partnerships in Puerto Rico, Key Points](#)

### **Adoption of Disruptive Technology throughout the PPP Project Cycle**

[Study on up-take of emerging technologies in public procurement](#)

[Restoring Confidence in Public–Private Partnerships: Reforming Risk Allocation and Creating More](#)

[Collaborative PPPs](#)

[Promoting InfraTech adoption across the Infrastructure lifecycle](#)

### **Case studies**

[The PPP project A3 AK Biebelried – AK Fürth/Erlangen](#)

[SFpark Pilot Program](#)

[Victorian Desalination PPP](#)

[Project Profile: Puerto Rico PR-22 and PR-5 Lease](#)

[Public-Private Partnerships in Puerto Rico, Key Points](#)

[ENGIE successfully refuels the world’s first renewable hydrogen passenger train in test in the Netherlands](#)

### **General Resources**

[Green, Resilient, and Inclusive Development](#)

[Just Transition for All: The World Bank Group’s Support to Countries Transitioning Away from Coal](#)

[World Energy Transitions Outlook](#)

[Renewable energy and climate pledges: Five years after the Paris Agreement](#)

[Statistical Review of World Energy 2020](#)

[The Five Biggest New Energy Trends In 2022](#)

[The Falling Cost of Renewable Energy](#)

[Renewables 2021 - Global Status Report 2021](#)



### **Disruption and PPPs**



## [Climate Resilience and PPPs](#)

# Research and Publications in PPPRC

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- [East Asia and Pacific \(EAP\)](#)
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- [Middle East and North Africa \(MENA\)](#)
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- [South Asia \(SA\)](#)
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