

FTI Consulting

# CP&A Overview - Asset Lifecycle Centric

## FTI Consulting: EXPERTS WITH IMPACT

- FTI Consulting is an independent, global business consulting firm dedicated to helping organizations **manage change, mitigate risk** and **resolve** financial, legal, operational, political and regulatory, reputational and transactional **disputes**.
- Individually, each practice is a leader in its specific field, comprised of experts recognized for their **depth of knowledge** and track record of **making an impact**.
- Collectively, FTI Consulting offers a broad range of services designed to help clients throughout the business cycle, from proactive risk management to the ability to respond quickly to unexpected events and dynamic environments.

### OVERVIEW



**7,500+**  
Employees worldwide

Counsel to **98**  
of the top **100** law  
firms in the world

Advisor to  
**9** of **10** main  
bank holding  
companies in the world

**\$4.9B**  
Market  
capitalization



**29**  
Countries

**59** of the Fortune  
Global **100** companies  
are client



**85**  
Cities

**700+**  
SMDs

### WHAT MAKES US UNIQUE



#### Ultimate Experience

Our professionals are experts, with extensive practical experience in applying that expertise to make a decisive impact.



#### A fulfilling culture

Our culture and work style reflect a penchant for the tangible and a tenacity to find solutions that make a meaningful difference.



#### Comprehensive services

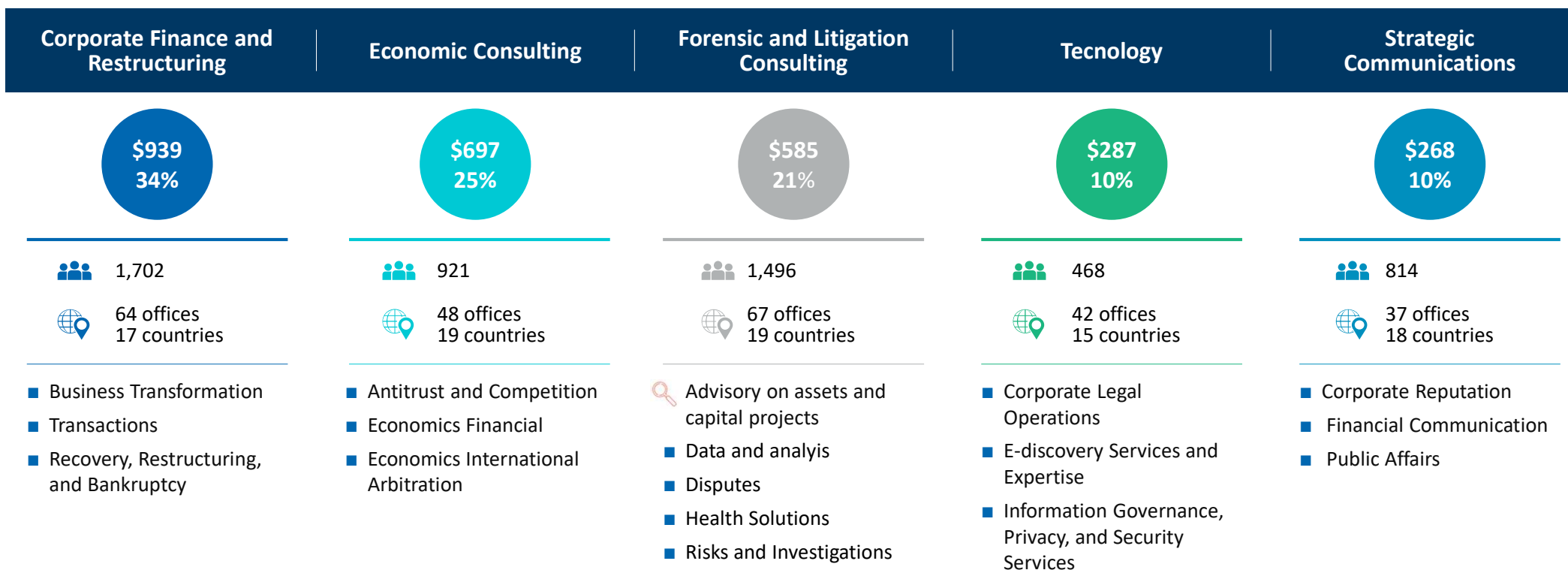
Our practices, both as stand-alone offerings and comprehensive solutions, address the many interconnected issues facing our clients.



#### Industry Experience

Our industry groups are composed of experienced professionals with many years of hands-on experience in the management and operation of 16 industries.

## FTI Consulting is composed of 5 segments in a well-balanced portfolio.



## Construction, Projects & Assets (CP&A) Overview

We support clients across the asset lifecycle, providing a wide array of advisory services which address the strategic, financial, operational, regulatory and capital needs of key players in the Power & Utilities, Oil & Gas, Chemicals, Mining, Manufacturing, Transportation, High-Tech/Semi-Conductor, Infrastructure, & Industrial Sectors



**Additional FTI Service Areas:** Blockchain | Business Transformation | Capital Advisory | Cybersecurity | Trade & Compliance | Transaction Advisory



# Construction, Projects & Assets | Strategic Advisory

Investing in organizations that own, build, and/or operate complex assets and facilities requires a deep understanding of the challenges facing these organizations to **mitigate investment risk** and **maximize return** – regardless of the planned holding period.

FTI leverages **capital project and asset management expertise** to provide **strategic advisory** services focused on **optimizing the capital portfolio employed** while also **defining the discrete investments needed** to achieve the **core strategic objectives** of the clients we serve.

## OUR IMPACT



Drawing upon our capital project, asset management, and deep deal experience, we **advise private equity and corporate clients** on **strategy, investment/asset portfolio health**, and **industry-specific opportunities** to future proof returns.



Our **global client base across various industries** gives us unique insights that we can bring to bear while **charting the future investment profile for your business** – allowing us to highlight **key risks and interdependencies within the portfolio** to actively manage in order to secure returns.



With our cross-sector experience **building & managing complex assets**, we understand the nuances of investing in them, and what it takes to **successfully build a strong project pipeline** while keeping your **existing fleet delivering healthy returns**.



Our **proven methods and significant experience in sustainability** enables us to chart a **sustainable and responsible path to net zero** that simultaneously **boosts investor confidence** and converts **decarbonization into a business**.

## COMPREHENSIVE SERVICES

- Growth strategy development / screening
- CapEx portfolio optimization (risk-based)
- Market entry studies
- Asset/project due-diligence (buy- & sell-side)
- Decarbonization roadmap development
- Low-carbon business model evaluation
- Transaction advisory support
- Asset repurposing studies
- Fleet competitiveness assessment
- Asset disposition optimization
- Divestment screening
- Asset valuations
- Business unit / asset carve outs
- Decommissioning / market exit strategy

## KEY CONTACTS

Contacts to be defined by Engagement

Asset lifecycle stage



Define investment strategy



Revamp, reposition, or modify asset base



# Construction, Projects & Assets | Management Consulting

Securing safe, reliable, and profitable returns across the asset lifecycle can face a variety of challenges at different stages of asset life. Addressing these challenges effectively requires deep experience across operations, maintenance, and project execution disciplines combined with best-in-class management consulting expertise.

FTI leverages its combined **capital project/asset management expertise and world-class consulting toolkit** to provide **management consulting** services focused on **securing returns in the heart of the asset lifecycle through targeted functional or holistic asset transformation efforts** with an eye toward generating near-term quick wins to fuel the effort.

## OUR IMPACT



FTI has deep expertise related to **operations excellence, asset management, and project execution** to **advise owner/operators** on **topics ranging from asset transformation to major project advisory services** to improve/secure long-term asset profitability



Our expert teams can be used to **perform intensive diagnostics with proprietary internal benchmarks and best practices** for heavy industry assets **to define improvement roadmaps to achieve best-in-class functional excellence**



**Significant organizational experience across many industries and owner/operators** to identify **potential improvements in organizational structure** to achieve our clients' strategic objectives while assisting throughout the change management process



We **embed our teams with our clients to maximize knowledge and best practice sharing** to define **tailored improvement opportunities** that work for each clients' specific context

## COMPREHENSIVE SERVICES

- Capability maturity assessment
- Improvement implementation roadmap & execution support
- Business process improvement
- Process, procedure, and training development
- Enterprise commercial / operations strategy & transformation
- Organizational structure design
- Independent project reviews & root cause analysis
- Construction audit & contract compliance
- Project / program governance & oversight
- Organizational change management

## KEY CONTACTS

Contacts to be defined by Engagement

Asset lifecycle stage



Design & plan project portfolio



Procure, build & commission assets



Operate, maintain & monitor asset base



# Construction, Projects & Assets | Technology Enablement & Data Intelligence

Championing **technology enablement & data intelligence** is a core element of **competitive differentiation** when deploying capital in the field. However, **significant enhancement** to the existing digital infrastructure is required to **improve project and asset management results**.

FTI has **decades of experience** in helping our clients identify, select, and implement technology to enable **improved project and asset management outcomes** for our clients.

## OUR IMPACT



**More than 50 years of** combined technology **experience implementing Enterprise Project & Asset Management systems** for major global organizations with operations across multiple industries



Track record of consistently delivering solutions for our clients allowing them to **rapidly reap benefits** associated with **improved predictability, productivity, and data integrity** that enable valuable outcomes across assets portfolios, programs, and projects



**FTI's deep industry and product expertise** enables us to execute comprehensive evaluations of solution landscapes and support our clients **select and implement optimal solutions** that are fit for purpose based on necessary requirements





Execution of **comprehensive current state assessments** of data quality, process maturity, and reporting outputs allows our team to develop **detailed and scalable improvement** initiatives that move our clients **ahead of the competitive curve**



Our experience **developing and implementing data analytical models** within client's existing digital landscape and tools has enabled clients to produce **value from previously untapped data assets**

## COMPREHENSIVE SERVICES

All 3 phases applicable to each service unless otherwise noted

- Requirements gathering
- Project management information system selection & implementation 
- EAM system selection & implementations 
- Integration workflow automation
- Training, Go-Live and Deployment
- On going support – Success Hub
- Data & analytics maturity assessment
- Master data management governance, policies, and processes
- Visualization design
- Design / implement statistical analytics models & solutions (AI / ML)
- Design / implement data warehouse / data model solutions

## KEY CONTACTS

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Operate, maintain & monitor asset base



# Construction, Projects & Assets | Portfolio, Program & Project Management Office (3PMO)

Approving and launching large scale capital projects is **only the first step in securing value across the asset lifecycle** – the ability to execute and deliver projects and transformative changes in the organization is the **key for long-term success**

FTI has **decades of experience** supporting our clients from **project and transformation conception to value generation** through our **Portfolio, Program, & Project Management Office** using a combination of our traditional implementation and digital toolkit.

## OUR IMPACT



FTI has a **long history of partnering with clients from the program/project conception phase to execution** and will bring our **battle-tested methodologies** to bear to ensure seamless implementation.



We work to **ensure the teams that assist in project and program development are the same as those executing the project/program** management to ensure **continuity and shared ownership**



Leveraging our best practice library, **we bring our fit-for-purpose digital tools** to ensure program management is **performed proactively with minimal overhead**








We **embed a well-balanced team with project- and PMO-based expertise** to drive the adequate coverage of **all key success factors for the project/program portfolio**



We **mitigate management difficulties associated with multiple data sources** by **maintaining a single source of truth** during program execution

## COMPREHENSIVE SERVICES All 3 phases applicable to each service unless otherwise indicated

- |   |   |
|---|---|
| <ul style="list-style-type: none"> <li>■ Project management &amp; controls requirements</li> <li>■ Project management</li> <li>■ Construction management </li> <li>■ Estimating services</li> <li>■ Scope &amp; change management </li> </ul> | <ul style="list-style-type: none"> <li>■ Contract management &amp; controls </li> <li>■ Cost &amp; schedule management </li> <li>■ Progress reporting &amp; dashboard enablement</li> <li>■ Risk management</li> <li>■ Project close-out </li> </ul> |
|---|---|

## KEY CONTACTS

Contacts to be defined by Engagement







# Construction, Projects & Assets | Asset Management

With a focus on **optimizing margins** and improving **asset performance**, our team of experts identify the **greatest opportunities for improvement** and implement **practical solutions** which maximize returns.

FTI leverages deep **capital project and asset management expertise** to help our clients mature their asset management capabilities and enable more **structured, consistent, and data-driven decision-making**; creating a greater linkage between strategic objectives and day-to-day activities. By combining asset management experience with technological expertise, we empower clients to **optimize total cost of ownership** and **maximize lifecycle value realization** from their assets.

## OUR IMPACT



We combine our **experts with real-world expertise** with our **internal and industry benchmarks and proven asset improvement strategies** to define the **most attractive improvement opportunities for assets** across Gross Margin, OpEx, and CapEx value pools.



We provide a **rapid, hypothesis driven, fact-based assessment** and **bottoms-up identification of improvement opportunities** that are supported by **data insights** and **analytics** resulting in **prioritized recommendations** that create **cost leverage, increase agility, and build new capabilities**.















With our **embedded staffing model**, we partner with assets to **bring improvement initiatives from concept to reality**, while also providing **transformation management services to ensure initiatives meet target objectives and timing**.



We lead the way in **digital transformation** – **driving productivity in asset operations & maintenance activities** and unlocking value through the **journey from reactive to preventative, predictive, and prescriptive maintenance strategies**.

## COMPREHENSIVE SERVICES

- ISO 55001 aligned Asset Management services 
- Center of Excellence 
- AM Policy & Strategy 
- Asset Class Strategies & Information Management  
- Reliability Program Development 
- Maintenance Plans & Strategies 
- Process Improvement 
- Margin Improvement Roadmap Development 
- Asset Rationalization Studies 
- Asset Valuations 
- Holistic Asset Transformation/Competitiveness Diagnostic 

## KEY CONTACTS

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Asset lifecycle stage



Operate, maintain & monitor asset base



Revamp, reposition, or modify asset base



# Construction, Projects & Assets | Construction Solutions Disputes & Advisory

FTI has **deep construction industry experience** that we bring to bear in our Construction and Disputes Advisory Practice to serve our clients' needs in matters ranging from **contracting strategy, delay/quantum analysis, and expert witness testimony** to secure value delivery or recover lost revenues.

## OUR IMPACT



We leverage our **worldwide base of construction experts** with experience throughout the world to **provide expert witness support and dispute advisory services** to Contractors, Owners and other Invested Parties



Our deep experience across all industries to **determine critical path milestones responsible for delay with a high degree of accuracy** and **translate impacts directly to dollars through our internal benchmarks related to quantum** in the construction business



We bring our significant litigation experience to advise on **contracting strategies to mitigate future litigation risk for EPCs and owner/operators** related to construction activities around the world



We **integrate our consulting services with e-discovery and data management services unique to FTI** in order to assist in cases ranging from contract strategy to litigation support

## COMPREHENSIVE SERVICES

- Contract strategy advice
- Contractual and commercial training
- Procurement advice
- Delay analysis
- Disruption and loss of productivity assessment
- Claim preparation and defense
- Alternative dispute resolution
- Arbitration & Mediation Expert witness on quantum and delay
- Loss of profit determination
- Data management and electronic **discovery**

## KEY CONTACTS

Contacts to be defined by Engagement





**Experts with Impact™**