



HK>A
DECODING
COMPLEXITY

LATAM Forensic
Technical Services

Who we are

HKA is the world's leading consultancy of choice for multidisciplinary expert and specialist services in risk mitigation and dispute resolution within the capital projects and infrastructure sector. We also have extensive experience advising clients on the economic impact of commercial and investment treaty disputes and in forensic accounting matters.

We bring a proud record of excellent service and high achievement – established over more than 40 years – to bear on today's challenges.

As trusted independent consultants, experts, and advisors, we deliver solutions amid uncertainty, dispute, and overrun for public and private sector clients worldwide.

Our people have vast firsthand experience spanning all major industries and the world's most complex megaprojects, as well as an international track record of achieving successful outcomes. HKA's global portfolio includes some of the world's largest and most prestigious projects across a wide range of industries, including aerospace and defense, construction and engineering, energy

and natural resources, financial services, life sciences and healthcare, manufacturing and industrial, marine and shipping, real estate and tourism, environment and climate change, sports and entertainment, and technology, media, and telecoms.

Our clients – ranging from law firms and corporations to insurance companies and claims professionals – have access to proven leaders and problem-solvers who decode complexity through collaborative working and innovative thinking.

This brochure highlights a representative selection of our experience providing forensic technical expert consulting and advisory services.

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—“
Clients have access to thought leaders with diverse skills and the ability to anticipate, investigate, and resolve complex challenges.
”—



Frank Giunta
Partner, Regional CEO,
Americas

HKA in numbers

people



1,000+
people

including

500+
consultants & advisors
(Including Project
Service Specialists)

500+
quantum, engineering,
architecture and
technical, delay,
disruption, damages,
forensic accounting
and government
contracts experts

reach



45+
offices

across

17
countries

experience in

100+
countries

clients



6,500+
clients
worldwide

including government agencies,
local authorities, investors,
developers, owners, operators,
architects, engineers, project &
construction managers,
contractors, specialist
suppliers, manufacturers,
banks, lawyers and insurers

Instructed by

100%
of the world's
top 20
law firms (by revenue)

impact



100k+
project disputes
resolved

valued in excess of

\$250bn
2,000+
engagements per year

40+ years' experience

30+ of the world's most
spoken languages

250+ first-of-a-kind global
megaprojects

Forensic technical expert services

HKA is the world's leading expert witness firm in the engineering and construction industries. Our teams draw on hundreds of experts and vast experience in every major industry sector and discipline. They have the technical, commercial, financial, planning, scheduling, and language skills to get quickly to the heart of the most complex issues.

6 Clients choose HKA for our accomplished track record and our ability to develop "out-of-the-box" solutions for complex disputes. Our experts apply their in-depth experience and industry knowledge when undertaking technical investigations to deliver credible opinions and persuasive testimony in high-profile disputes.

Our experts consult and testify on a wide range of engagements and subject matters, whether appointed as advisors, party-appointed experts, single joint experts, or expert witnesses.

HKA experts hold relevant professional qualifications, industry memberships, and accreditations and undergo continuous professional development training. Many have additional language skills underpinning their global experience.

Our differentiator is the depth of our experience, which spans the building, industrial, infrastructure, oil and gas, power and utilities, and technology sectors. We have worked on complex assignments on all seven continents and are distinguished by our ability to tackle problems across a wide range of engineering disciplines.

How we can help

Our experts are knowledgeable in all phases of forensic investigations and analysis. We scrutinize the root cause and origin of loss in the dispute resolution life cycle, from providing strategic consultation early in the process and analyzing issues to producing expert reports, assisting with settlement negotiations, and providing oral testimony. HKA team members have provided sworn expert testimony before state and provincial courts, federal courts, and boards, as well as in international arbitration and other dispute forums.

Forensic technical investigation approach

1. Initial investigation – Collection of data and initial analysis of documentation
2. Field investigation – Site visit for detailed field data collection
3. Preliminary findings – Initial expert analysis to define the investigation roadmap
4. Final report and conclusions – Detailed expert analysis report and findings

Recognition and professional standing



GAR TOP 100
Ranked No. 2 in the GAR 100 Expert Witness Power Index



WWL Expert Witnesses Analysis
100+ Expert Witnesses listed in Who's Who Legal (WWL)



WWL Construction Expert Witnesses analysis
Ranked #1 in WWL Construction Expert Witnesses Analysis



The Academy of Experts
HKA is the world's largest Corporate Provider

7 HKA employs some of the world's foremost experts in many disciplines, including:

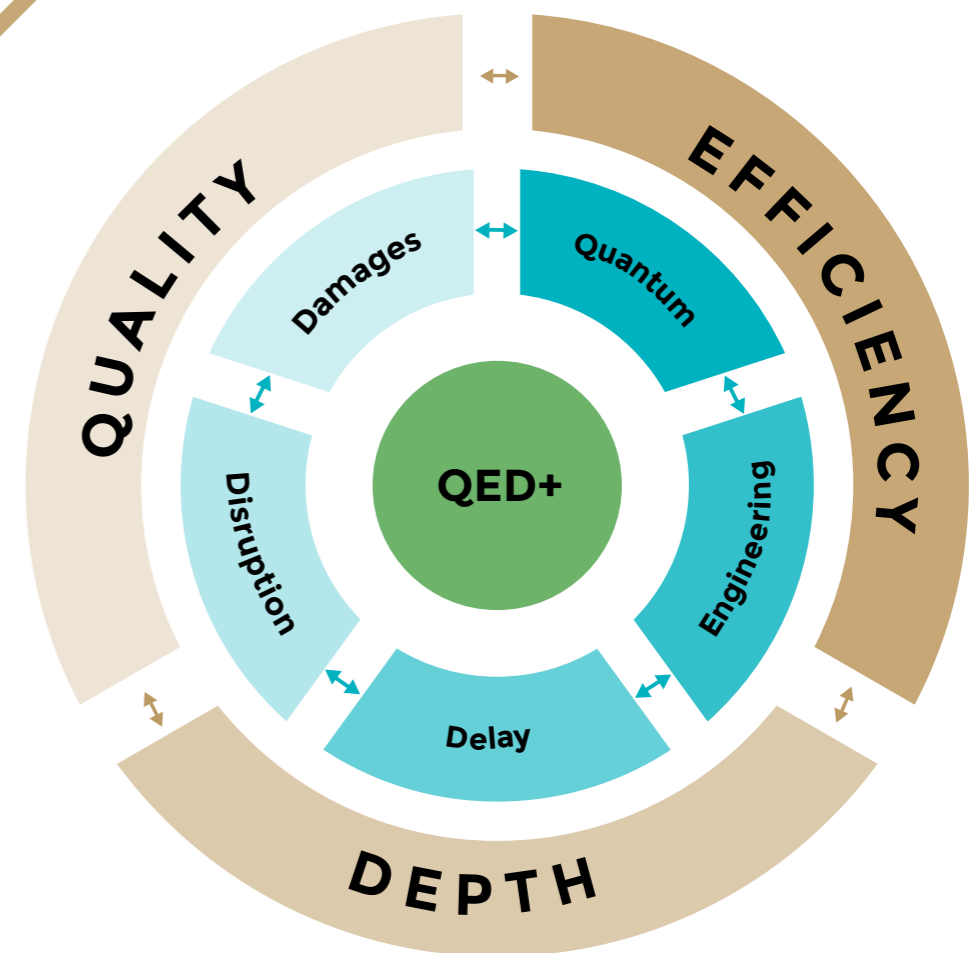
- Architectural
- Aviation
- Forensic accounting
- Commercial damages
- Business valuation
- Business interruption
- Insurance claims
- Construction management
- Delay and disruption
- Financial quantum
- Civil engineering
- Planning and scheduling
- Project management
- Project monitoring
- Electrical engineering
- ESG
- Fire engineering
- Health, safety, and environment
- Instrumentation and control systems
- Buildings defects
- Marine engineering
- Mechanical engineering
- Metallurgy and materials
- Mining
- Power engineering
- Process engineering
- Structural engineering
- Systems engineering
- Construction failure
- Professional competence
- Standard of care

Browse our Expert Centre to find the expertise that matches your needs:

A multi-disciplinary approach to disputes

We use our knowledge and experience to untangle the complex web of causes and effects for our clients. Quantifying the cost and time impacts, investigating engineering issues, assessing the effectiveness of project management, and analyzing delay, disruption, and damages require specialist expertise.

8 HKA's multidisciplinary expert services streamline and improve the entire dispute resolution process. Expert teams are assembled to embody the most comprehensive experience from our global network and are deployed rapidly. Clients tell us that this coordinated approach delivers significant added value. They deal with an experienced Expert Lead, who is responsible for managing the assignment and maximizing the benefits of collaboration by HKA experts from multiple disciplines.



Selected forensic technical experience

Clients and international law firms select our forensic, quantum, engineering, architecture and technical, delay, disruption, and damages (QED+) experts either individually or as a coordinated team in support of forensic technical investigations for a wide range of industries and issues across Latin America.



Autopistas de Michoacán claim

HKA experts assisted reinsurers in determining the cause and origin of a landslide in México.



Finsa Puebla claim

HKA experts assisted insurers in determining the cause and origin of a concrete retaining wall collapse in México.



Puente El Alambrado claim

HKA experts assisted reinsurers to determine the cause of a bridge collapse in Colombia.



UEG Araucaria Ltda. v. Companhia Paranaense de Energia

HKA experts filed expert reports in an ICC case on the losses sustained by a consortium of investors contracted to build a gas-fired thermal power plant in Brazil.



Kenworth del Noroeste claim

HKA experts assisted insurers in determining the extent of damage and repair costs of an industrial facility after a fire event in México.

Selected forensic technical experience



Hurricane Otis damage claim

HKA experts assisted reinsurers in determining the extent of damage and repair costs of multiple buildings damaged by flood and hurricane-like winds in México.



Puente Naranjito evaluation

HKA experts assisted an owner to evaluate a bridge in Puerto Rico.



Copper mine claim

HKA experts assisted reinsurers in determining the cause, extent of damage, and repair costs of civil infrastructure at a lixiviation copper plant in Perú.



CIPSA Concession claim

HKA experts analyzed an insurance claim for a bridge collapse in México. Our team evaluated the cause and origin of failure, assessed the extent of damage, and provided a cost estimate for mechanically stabilizing the retaining wall.



Autopista Rio Magdalena Concession v. Obrascon Huarte Lain SA (OHL)

HKA filed an expert report for a claim related to construction delays on a 150-kilometer highway project in Colombia.

Selected forensic technical experience



Grupo Acerero claim

HKA experts assisted reinsurers in determining the cause of transformer failure, extent of damage, and repair costs at a steel mill in México.



Lima Metro Station – Piramide del Sol claim

HKA experts assisted reinsurers in determining the cause, extent of damage, and repair costs associated with structural damage at a train station in Perú.



Transportadora de Gas Internacional S.A. (TGI) v. Transgas de Occidente S.A.

HKA experts filed an expert report and testified on the corrosion and geotechnical evaluation of a Colombian gas pipeline project. The dispute involved the operation of the gas pipeline.



Puerto Rico Aqueduct and Sewer Authority (PRASA) – water and sewer facilities claim

HKA experts assisted reinsurers in determining the extent of damage and repair costs after Hurricane Maria affected more than 20 facilities in Puerto Rico.



Unión del Sur concession risk assessment

HKA experts assisted reinsurers in reviewing the construction and financial risks associated with a new 83-kilometer road corridor in Colombia.

Selected forensic technical experience



Yacimientos Petrolíferos Fiscales (YPF) claim

HKA experts assisted reinsurers in determining the extent of damage, repair costs, and reconstruction schedule associated with fire damage at a petroleum refinery in Argentina.



Energy Power Development Corporation v. Entergy

HKA experts reviewed the developer's claims against a utility related to a failed power plant project in México.



Kimco Realty claims

HKA experts assisted reinsurers in determining the extent of damage and repair costs after Hurricane Maria affected 10 shopping plazas in Puerto Rico.



Viaducto de Santa Catarina claim

HKA experts assisted reinsurers in determining the cause of collapse, extent of damage, and repair costs of a bridge in México.



U.S. Virgin Islands Government claims

HKA experts assisted reinsurers in determining the extent of damage and repair costs after Hurricanes Irma and Maria affected more than 200 facilities in the U.S. Virgin Islands.



Concesionaria San Rafael v. Agencia Nacional de Infraestructura

HKA filed an expert report and testified on reported deficiencies of a concrete bridge in Colombia. The dispute involved the bridge's deflections and vertical curvature.

Selected forensic technical experience



Empresas Publicas de Medellín E.S.P. v. AZACAN S.A.S. Y Seguros Del Estado S.A.

HKA filed an expert report on the deficiencies of a sewer and drainage system in Colombia. The dispute involved an analysis of delay and construction costs.



Ferrocarriles del Norte de Colombia S.A. (FENOCO) v. Drummond Coal Mining LLC, Drummond Ltd., et al.

HKA experts filed expert reports and testified on damages for a breach of contract dispute involving a coal mining operation in Colombia. The dispute involved claims of alleged breaches in contractual obligations involving the rail transport of the coal and issues at the port.



Eoltec Energy, S.L. and Corporación Montealto XXI, S.L. v. ContourGlobal Latam, S.A.

HKA experts filed expert reports and provided expert testimony on the financial position of several companies connected to a dispute over the operation of wind farms in Perú.



MGM Sustainable Energy S.A.S. v. MAPFRE Seguros Generales de Colombia S.A.

HKA was engaged to provide expert witness services for a claim related to the failure of a diesel generator at an industrial facility. We also prepared an expert report and testified in court for this breach of contract dispute.



Subcontractor v. Confidential Client

HKA experts analyzed claims on a mining project in Trinidad, including an assessment of cost and schedule issues. We assisted in facilitating a settlement between our client and the subcontractor.

Expertise directory

HKA's multidisciplinary engineering expertise spans all technical specialties – from buildings and property and civil and structural to mechanical and process and energy and power. The following non-exhaustive alphabetical directory of expertise provides a useful guide and reference list of our skills, knowledge, and capabilities.

Our primary expertise is also listed below by sector. If you can't find an area of expertise that you're looking for, then please email inquiries@hka.com. We pride ourselves on our ability to provide solutions for every request. The HKA roster of technical experts exceeds 500, including but not limited to:

Buildings

- Architecture
- Building Envelope Evaluation
- Building Specialisms
- Building Structures
- Fire Engineering
- HVAC Engineering
- Mechanical Electrical Plumbing
- Project Management / Construction Management
- Structural Engineering

Energy, Resources and Industrial

- Conventional Energy
- Industrial and Manufacturing
- Mining, Minerals and Metals
- Oil and Gas
- Project Management / Engineering Management
- Renewable Energy
- Shipping and Marine
- Utilities
- Water and Wastewater Treatment

Infrastructure

- Civil Engineering
- Geotechnical Engineering
- Highways and Bridges
- Hydraulics and Hydrology
- Rail
- Ports, Harbours and Marine

Environment and Climate Change

- Air Quality and Noise
- Climate
- Contaminated Land and Emerging Contaminants
- Energy and Renewables
- Environmental, Social and Governance (ESG)
- Environmental Transaction
- Flooding and Drainage
- Impact Assessment
- Mining Environmental
- Pollution and Regulatory issues
- Product Stewardship
- Radiological Risks
- Waste and Water
- Wildlife Protection and Biodiversity

Aviation and Space

- Air Traffic Control and Air Traffic Management
- Airports, Airfields and Helipads
- Design, Manufacture, Production, Test and Certification (Initial Airworthiness)
- Maintenance, Engineering and Continuing Airworthiness
- Flight and Ground Operations
- Military and Civil
- Space-for-Earth
- Space-for-Space
- Space Growth and Emerging Markets

Americas FTS group key contacts



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Partner

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John McTyre
Partner

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Carlos Turizo
Independent
Consulting Expert

carlosturizo@hka.com

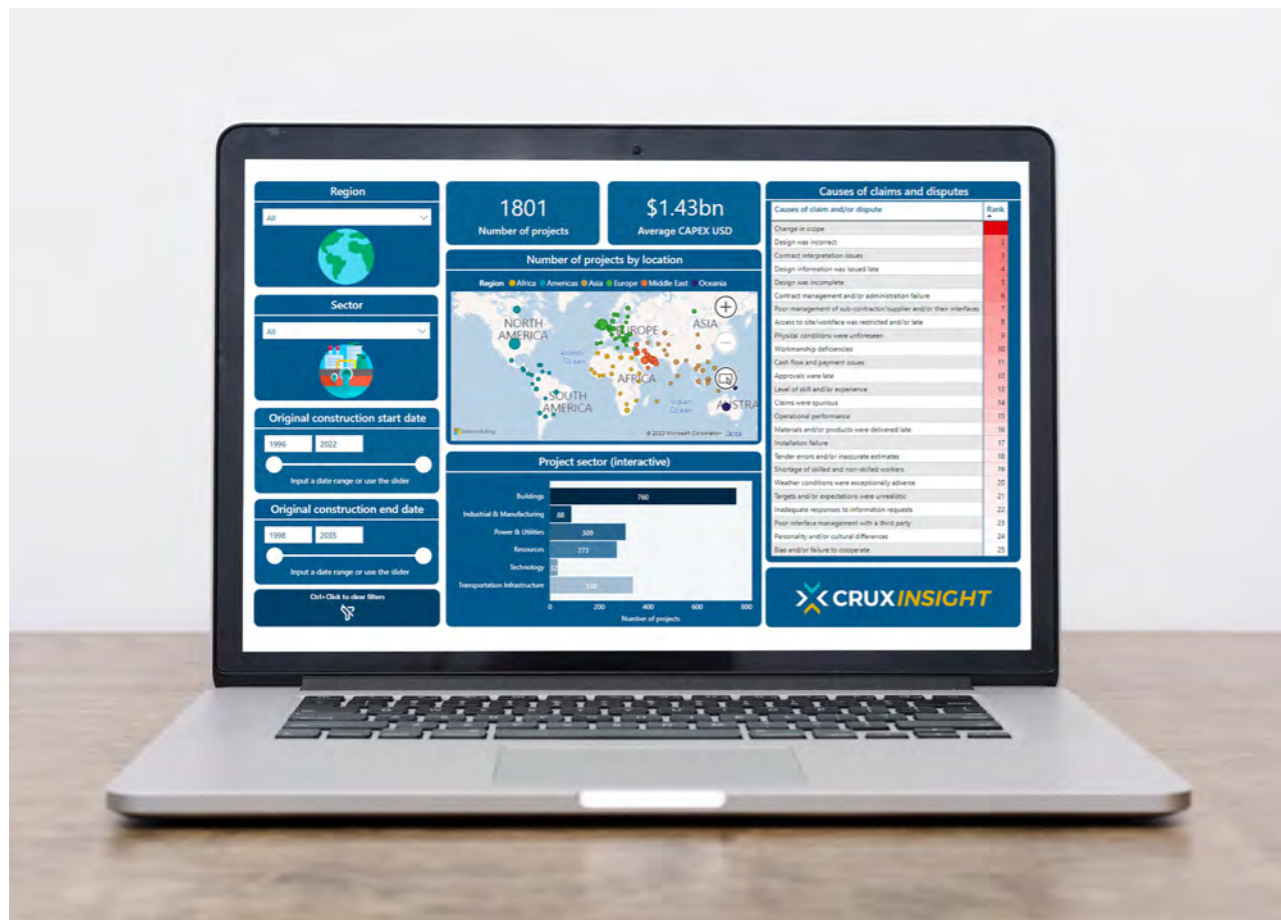
Our Sixth Annual CRUX Insight Report, Forewarned is Forearmed, quantifies the damage done to engineering and construction projects worldwide, and the recurrent causes, which are often predictable and avoidable.

As infrastructure and capital projects around the world are hit hard by higher financing costs and inflation, promoters and contractors can relieve the pressure by curbing the significant losses of money and time routinely incurred across market sectors and the world.

The massive scale of these disputed costs and overruns, and their often-controllable causes, are revealed in the Sixth Annual CRUX Insight Report, Forewarned is Forearmed, and its analysis of 1,800 projects in 106 countries.

Please feel free to contact a member of the CRUX team should you be interested in collaborating with us.

www.hka.com/crux



FOREWARNED IS FOREARMED

Anticipating challenges, mitigating risk



www.hka.com/crux-reports

The background features a photograph of a modern glass skyscraper, partially obscured by a teal overlay. The image is framed by geometric shapes: a large tan trapezoid on the left and a dark blue triangle at the bottom. A yellow line runs diagonally across the teal area, and a thin purple line is visible at the top and bottom edges.

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