

# aviation investigations

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Our Aviation Investigations group bring together professionals with experience in mechanical engineering, materials science, metallurgy, aviation safety and flying commercial aircraft to investigate the causes of airplane and helicopter incidents.

Our multidisciplinary group is able to consider all possible contributing factors, from the actions of the flight crew through to the microscopic defects inside a failed component. This capability provides our clients with a complete picture of the multiple factors responsible for many aviation events.

Our aviation investigations frequently include evidence examination and custody in addition to testing and laboratory analyses for:

## Operational and Procedural Evaluations:

FAA operating rules and airworthiness standards

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Certification and maintenance compliance

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Air Traffic Control procedures and clearances

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Human Factors

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Airspace requirements

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Pilot training and evaluation

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Aircraft loss-of-control, emergency procedures and landings

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Weight and balance, fueling and loading procedures

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Adverse weather and high-altitude meteorology

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## expertise contact

### Mark Bailey

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 604.619.4635

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 Vancouver

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## associated professionals

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### los angeles

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Vickie Norton

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# Design, Manufacturing, and Maintenance Defects:

Internal combustion and turbine engines

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Airframe and control surfaces

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Gearboxes

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Metallurgy

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Friction & wear

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Fractography

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Stress analysis

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Corrosion

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