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**Qualifications**

Bachelor of Science in Civil Engineering  
 Chartered Engineer, Chartered Scientist, Chartered  
 Environmentalist  
 International Professional Engineer Registered with Engineering  
 Council (UK)  
 European Engineer  
 Fellow, Institution of Civil Engineers  
 Fellow Chartered Institution of Water and Environmental  
 Management  
 Member, Energy Institute  
 Fellow, Chartered Institute of Arbitrators  
 Member Energy Institute  
 Member of Institution of Fire Engineers

**Award**

Miller Prize, Institution of Civil Engineers

**Experience**

Abu Dhabi, Algeria, Argentina, Australia, Austria, Bahrain, Barbados,  
 Belgium, Bolivia, Canada, China, Colombia, Croatia, Cyprus, Czech  
 Republic, Dominican Republic, Dubai, Egypt, El Salvador, Finland,  
 France, Gabon, Germany, Ghana, Greece, Guam, Holland, India,  
 Indonesia, Italy, Japan, Libya, Luxembourg, Malaysia, Maldives,  
 Mexico, Nepal, Netherlands, Nigeria, Norway, Portugal, Saudi Arabia,  
 Singapore, Spain, Sri Lanka, Sweden, Switzerland, Turkey, United  
 Kingdom, Uruguay, US Virgin Islands, USA

**Career Synopsis**

2001 – Date	CHARLES TAYLOR CONSULTING PLC – Technical Director
1988 - 2001	RESOLVE INTERNATIONAL - Executive Director
1986 - 1988	TAYLOR WOODROW - Manager Structural Surveys
1982 - 1986	BURT CONSULTANTS (SINGAPORE) – Engineering Manager
1975 - 1982	D.A. BURT ASSOCIATES/MINISTRY OF AGRICULTURE/ TARMAC CONSTRUCTION

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## Claims

### Storm/Flood

- Major hurricane damage to houses, hotels a radio station and shops in the Caribbean
- Snow overload causing collapse of warehouse
- Windstorm damage to large numbers of houses
- Storm damage to overhead power lines
- Contaminated water damage to hygienic products in national distribution centre
- Flood damage to numerous water company installations including pumping stations
- Flood damage and business interruption to IT co-location service provider
- Wave impact damage to new Caribbean breakwater
- Storm damage to breakwaters under construction
- Typhoon damage to ports on Pacific Islands
- Flooding damage and loss of power to semiconductor plant

### Contractors All Risks/Erection All Risks/ALOP

- Flare burner malfunction
- High voltage underground cable failure
- Reservoir failure
- Oil tank drainage failure
- Concrete laying and placing malfunctions
- Earth slips
- Retaining wall failures
- Structural distress to piles
- Pile movement in jetties
- River embankment collapse
- Dam seepage failure
- Pumping station foundation failure
- Hydro-electric project storm water inundation
- High pressure tunnel lining failure at dam site
- Excavation failures at power stations and refineries
- Tunnelling failures
- Flood damage to major hydroelectric project
- Hydro-electric project pressure shaft collapses during tunnelling
- Collapse of 850 ton ship unloader
- Turbine damage during start up
- Transformer damage during testing
- Generator damage during start up
- Wind turbines - accidental damage during construction, lightning damage and wind load damage in UK, Italy, Greece and Portugal

### Contractors All Risks/Erection All Risks/ALOP

(Continued)

- Wembley Stadium delays
- Offshore wind farm generator failure
- Burning damage to LNG storage tank during construction followed by delays

### Fire/Explosion/Terrorism

- Major explosion in M/Eastern chemical plant
- Major structural bomb damage to multi-storey office buildings
- Major material damage and business interruption to grain handling facility destroyed by dust explosion
- Fire to warehouses, factories, discotheques, cinemas and golf club
- Fire damage to wind turbine generator
- Major structural fire damage to power station
- Fire damage to ethylene plant boilers
- Gunfire and fire damage to airline ground equipment
- Major structural fire and explosion blast damage to multi-storey bank headquarters, to multi-storey World Trade Centre Building and to multi-storey Insurance Company headquarters
- Major structural fire damage to landmark pier
- Major damage to drinks manufacturing plant
- Fire damage to wind turbines

### Accidental Damage

- Ship collisions with jetties
- Vehicle collision/ Personal Injury litigation
- Collision damage to bridges
- Goods in transit damage including machinery, yacht and aircraft parts
- Cattle stampede
- Air-conditioning failure in bank's computer suite
- Denial of access to bank
- Mobile crane collapses

### Subsidence/Landslip

- Subsidence damage to hundreds of houses, blocks of flats, shops, factories, hotels, offices and other commercial premises Claims in UK, France, Spain, Portugal, Greece, Cyprus
- Claims against Underpinning guarantees

### Theft

- Thefts from various premises
- Armed robbery from construction site

#### **Earthquake**

- Earthquake damage to houses in Italy and Cyprus
- Earthquake damage to Hotel in the Maldives

#### **Escape of Water**

- Water damage to houses, flats, shops and hotels
- Dry rot damage

#### **Machinery Interruption**

- Boiler tube damage
- Turbine overspeed damage
- Corrosion damage to ethylene plant boilers
- Steam system failure in ethylene plant
- Business interruption and damage to gas turbines caused by contaminated gas supply to steel plant.
- Material damage and business interruption to gas turbines due to lubrication system failure
- Numerous material damage and business interruption losses to turbines/generators due to release of foreign bodies or broken blades into rotating elements
- Material damage and business interruption due to destruction of turbo-expander at power station
- Material damage and business interruption to compressor train at Nitrogen plant
- Tube failure and business interruption at heat recovery steam generator for oil sands project
- Steam turbine breakdown during testing
- Wind farm offshore transformer failure in Denmark

#### **Professional Indemnity**

- Dam designer
- Paper plant designer on a number of projects
- Water supply network designer
- Consulting engineers for railway system
- Railway vehicle designers/suppliers
- Blast furnace designers on several projects
- Motorway designer
- Toll road contractor
- Sewer lining contractor
- Middle East housing estate road designer
- Distribution centre contractor
- Middle East air conditioning designer
- Pre-purchase surveyors for various overlooked defects
- Consulting engineers, architects and contractors for various design errors

- Numerous computer and chip thefts from commercial premises
- Ram-raid on mobile phone warehouse

#### **Product Recall**

- Bicycle wheels
- Cargo container carriers

#### **Business Interruption/Contingent Business Interruption**

- Power station machinery breakdown – numerous incidents
- Storm damage to transmission and distribution system for major power producer
- Flood damage to water utility
- Bureau de Change suffering from denial of access resulting from airport tunnel collapse
- Loss of attraction to retail premises following major terrorist attack
- Gas contamination to turbines powering steel plant
- Lubrication system failure resulting in severe damage to turbines causing lack of power generating capacity
- Flooding of internet service provider
- ALOP resulting from tunnel collapses at hydro-electric power plant under construction
- Hotel damaged by earthquake
- Ship collision affecting operation of steel plant materials handling jetty
- Airline affected by blocked runway
- Burning damage to blanket protection on major LNG tank installation
- Microchip manufacturing plant affected by flooding

#### **Public/Products Liability**

- Public liabilities of individuals and companies
- Large number of tree root liabilities
- Public liabilities of major multi-national for personal injuries to sub-contract labour at major plants
- Product liability for major paint supplier with damage to trains undergoing refurbishment
- Oil pollution resulting from pipeline leak
- Product liabilities for numerous companies supplying a range of technical products including paint and coating systems, waterproofing systems, gas seals, yacht masts, zip fasteners, cargo container lifters, engine cylinder blocks, bus suspension members and excavator axles
- Numerous liability claims for blast damage following major explosion at oil terminal in UK

- Tunnelling/Railway contractors
- Motorway structures designer/contractor
- Hospital Design & Build Contractor
- Air-conditioning system design and build contractor
- High speed rail construction
- South American irrigation canal designer
- Financial advisor arranging insurance
- Contractor for retail development car park
- Designer of major European rail tunnel

### **Engineering Consultancy Projects**

- Supervision on construction of oil/water separators on an island refinery site - Singapore.
- Oil Refinery deep water berths - investigation of corrosion and collision damage to reinforced concrete jetty structures and fendering system for tankers up to 120,000 tons dead weight; conceptual and detailed design and project management of refurbishment works.
- Supervision of factory building construction for remote jungle tea plantation in Sarawak.
- 104 m high tube and clamp scaffold structure at island oil refinery in Singapore - detailed structural design and supervision of scaffolding erection.
- Structural design, structural refurbishments including underpinning and jacking structures; design of drainage systems and road layouts.
- Research into Bentonite clay as a lining for farm scale reservoirs for Ministry of Agriculture Field Drainage Experimental Unit.
- Supervision of construction of motorway structures and carriageway alignment with Tarmac Construction M11 Motorway Contract 4b.
- Structural surveys of bus garages; major road bridge and bank in Ghana; Royal Palace and naval base in Saudi Arabia; multi storey shopping centre/car park; motorway bridges.

### **Litigation/Mediation**

- Expert evidence for major professional indemnity claim involving reinforced concrete corrosion damage to Middle Eastern liquefied natural gas plant on island site.
- Expert evidence for liability claim involving extensive reinforced concrete corrosion damage to two multi-storey office buildings in Australia
- Expert evidence on handling of large household subsidence claim by insurer and adjuster
- Expert report on widespread reinforced concrete corrosion damage to middle eastern oil refinery and tank farm
- Mediated party wall dispute between brewery and shop owner with successful outcome under Academy of Experts scheme
- Appointed single joint expert on several cases involving disputes related to insurance claims
- Expert adjusting report on airport construction project in Africa

### Major Studies

- **Earthquake** exposure of school buildings in Mexico City
- 2 studies of **earthquake** exposure of hospitals in Mexico
- **Paper and Pulp** Industry in Indonesia
- **Subsidence** claims and underwriting of UK household insurers
- **Subsidence** claims handling of major UK household insurers leading to changes in policy and savings of £10's millions
- Building standards in Israel in relation to **earthquake**
- Handling of claims following major Caribbean **hurricanes**
- Losses and accidents in **Shipbuilding and Ship Repair** Yards and Chinese Shipbuilding Industry
- Exposure of buildings to UK Flood
- **Subsidence** - A Global Perspective - major research project carried out for Association of British Insurers
- **Weather Change** and Insurance as part of Intergovernmental Panel on Climate Change and CII study groups.
- **Pollution liability** claims handling for European petrochemicals installations

### Risk Surveys & Risk Engineering Projects

- Railway bridges, tunnels walls and houses close to Motorway construction in UK
- Government buildings in Caribbean including prison, schools, hospitals, port and airport
- Water Utility in El Salvador
- Brewery, soft drinks and mineral water manufacturer and distributor in El Salvador
- Hydro-electric power project in Nepal
- Power station under construction in Algeria
- Major nearshore construction project in Dubai
- Hotels exposed to earthquake and Typhoon in Guam
- Fertiliser plant
- Warehouses and Offices
- Furrier
- Chemical and steel plants
- Electronic goods automated warehouse in Switzerland
- Night-clubs
- Textile factories in Indonesia
- Rayon plants in Indonesia
- Logging and sawmill operations in Ireland
- New ski resort Azerbaijan
- LNG storage plant Portugal
- New high speed railway Portugal
- New solar panel manufacturing plant Singapore
- Steelworks and power plant in Dominican Republic
- New mass transit system line linking major city centre to airport and suburbs, Canada
- New railway project in Stockholm involving drill and blast tunnelling, immersed tube tunnel and construction of several underground stations beneath existing tracks.
- Port of Bridgetown, Barbados
- Port of Kingston and Montego Bay Jamaica
- Port of Buenaventura, Colombia
- Prague Airport, Czech Republic
- Major Multinational Car Maker's European Operations
- Toll Road, Manila, Philippines
- M1 Motorway widening UK
- A2 Motorway widening UK
- Pipeline through remote jungle
- Major hospital project Sweden
- New pulp mill port and road Uruguay
- Upgrade of major underground railway interchange UK
- 2 sections of major motorway Algeria
- New power station with 15 gas turbines Saudi Arabia plus extension of a further 3 gas turbines
- Conversion of major power station from simple to combined cycle Saudi Arabia

## TECHNICAL PUBLICATIONS

1. "The Use and Testing of Bentonite as a Lining for Farm Scale Reservoirs" ICE - ALGS Prize Paper Competition 1982.
2. "Oil Without Pollution" - a review of current techniques used in the treatment of Palm Oil Waste. Far Eastern Agriculture Nov/Dec 1983.
3. "Surveying foundation and Soil Stabilising Techniques" Far Eastern Technical Review, March 1985.
4. "The Treatment of Oil in Refinery Wastewater in South East Asia" IAWPRC/EESS/ENSEARCH Conference on Industrial Water Technology, Singapore May 1985.
5. "Advanced Robotics in the Field of Survey/Inspection Maintenance and Repair of Buildings and Structures". 5th International Symposium on Robotics in Construction, Tokyo, June 1988.
6. "Papering over the Cracks" - a review of the Professional Indemnity situation where corrosion occurs in reinforced concrete. Post Magazine Vol. 150 No: 11 March 16 1989.
7. "Cracking up in the Heat" - a discussion of problems faced in insurers and homeowners when subsidence occurs. Post Magazine Vol. 151. No.7 February 15th 1990.
8. "Structurally and Ecologically Sound?" - a discussion of current issues facing insurers and homeowners with the increase in Subsidence. The Journal of the Chartered Insurance Institute, September 1990.
9. "Earth Shattering Scenario" - a special report on recent developments in the handling of subsidence claims by insurers. Post Magazine volume 153, No: 8, February 20th 1992.
10. "When the Walls Come Tumbling Down" - a review of how subsidence has affected underwriting. Insurance Age, June 1992.
11. "Sink or Swim" - a review of the problems facing insurers on subsidence claims. Post Magazine 10<sup>th</sup> December 1992
12. "Problems with Subsidence" - a review of problems that arise when a house with Subsidence is sold. Legal Executive, January 1993.
13. "Why do Structural Surveyors and Valuers go Wrong with Subsidence". Structural Survey, Volume 11 No: 4 (Spring 1993).
14. "Mighty problems from little acorns grow" 14th Annual Structural Survey Conference - Striving for Perfection in Structural Survey Reports - Cafe Royal, London, 27th October 1993.
15. "Getting to grips with subsidence problems" Insurance Day 23rd August 1995.
16. "Riding the storm" - an explanation of how compliance with building codes could help prevent Caribbean hurricane devastation. - Post Magazine 28th September 1995.
17. "Safe Conduct" - an explanation of why office security is inadequate to prevent computer chip thefts and what might be done to improve the situation - Post Magazine 9th November 1995.
18. "Subsidence - the crisis that could have been avoided" - The Chartered Loss Adjuster - Issue 4 Winter 1995/96.
19. "When the chips are down" - a review of the difficulties companies face after a computer theft - Post Magazine 11th April 1996.
20. Subsidence - Why are we still wasting millions? - LIRMA Forum meeting 7<sup>th</sup> November 1996
21. Catastrophe adjusting on the move - Insurance Day Loss Adjusting Special Report - 11<sup>th</sup> February 1997
22. Subsidence insurance: an early casualty of global warming ? - News Focus Insurance Day - 5<sup>th</sup> March 1997.
23. Rebuilding after the quake - a look at building standards in Turkey - Post Magazine 2<sup>nd</sup> September 1999
24. Subsidence - A Global Perspective – General Insurance Research Report No.1 Association of British Insurers London 1999
25. Cracking the system – Claims Special Insurance Times 30<sup>th</sup> March 2000
26. Is the Insurer/Adjuster Immune from Litigation? - Best Practice in Litigating Subsidence Claims 31<sup>st</sup> March 2000
27. Never Again – A review of the structural aspects of the largest buildings claim of all time – World Trade Center destruction New York 11<sup>th</sup> September 2001 – Post Magazine
28. Expansive Clay Problems – How are they dealt with outside US? – American Society of Civil Engineers 2001 Annual Conference published in "Expansive Clay Soils and Vegetative Influence on Shallow Foundations" ASCE Geotechnical Special Publication No. 115, 2001 pp 172-191
29. Climate Change and Insurance – Research Report – Chartered Insurance Institute – 2001 Lead author Chapter 7 Property Insurance.
30. Forensic Engineering and Insurance – 2<sup>nd</sup> International Conference on Forensic Engineering, Institution of Civil Engineers, London, Thomas Telford "Forensic Engineering the investigation of failures" 2001 pp 119-125
31. Windstorm Claims – Workshop – Climate Change: an insurance perspective Post Magazine Technical Masterclass – London – 23<sup>rd</sup> October 2002
32. Alternative Approaches to Risk Assessment Seminar – the Best Assessment at the Lowest Cost – AIRMIC (the Association of Insurance and Risk Managers) – Annual Conference Manchester – 17<sup>th</sup> June 2003
33. Defective paint: an emerging problem – an analysis of product liabilities involving paint – Insurance Day p6 30<sup>th</sup> July 2003
34. Earthquake cover: when and where – an analysis of what could be learnt from the aftermath of the earthquake in Bam, Iran – Insurance Day 6<sup>th</sup> January 2004
35. A dream location? – a review of the natural perils and other loss exposures of international hotels - Reinsurance 1<sup>st</sup> March 2004

36. Pipeline Insurance – Technical Aspects of Underwriting and Claims – Richard Radevsky and Doug Scott - Institution of Civil Engineers International Conference on Terrain Geohazard Challenges Facing Onshore Oil and Gas Pipelines London – June 2004
37. Claims by Engineers – Problems that engineers encounter when claiming.....and the trouble these cause to insurers – International Association of Engineering Insurers (IMIA) 37th Annual Conference Rome September 2004.
38. “Testing your mettle” an examination of how engineering insurers are paying for poor or infrequent communications – Post Magazine - 25<sup>th</sup> November 2004.
39. “Culture vultures” – an examination of whether insurers could be doing more to resist the compensation culture – JTW News February 2005
40. “The Power to Succeed” – a review of the stresses for the adjuster in dealing with power industry claims – Claims Professional – Autumn 2005
41. Emerging Technologies: Insuring what has not been insured before – Clifton Lancaster, Richard Radevsky and Freidrich Scholz – IMIA- WGB 52 (07) International Association of Engineering Insurers (IMIA) 40th Annual Conference Tokyo September 2007.
42. Contingent BI in engineering insurance relevant risk & underwriting considerations to improve clarity and achieve best practice Standards – Alessandro Stolfa, Richard Radevsky, Stefan Feldhüter, Milan Dinets, Ben Kramer, Raghu Ramachandran - IMIA WGP 55 (08) International Association of Engineering Insurers (IMIA) 41st Annual Conference Auchterader, Scotland September 2008
43. Combustion Turbines Critical Losses and Trends - Thomas Åström, Michael Bove, Spencer Clark, Steven Clayton, Steve Kelly, Bernd Luckey, Patrice Nigon, Richard Radevsky – IMIA WGP 64(09) International Association of Engineering Insurers (IMIA) 42<sup>nd</sup> Annual Conference, Istanbul, Turkey September 2009
44. Fast Developing Technology – Underwriting and claims issues – Richard Radevsky Thomas Åström, Stephanie Watkins, Karl-Christian Hertenberger, Mahmood Ahmed, Guido Benz, Peter Bender, P. Dutta, Isabelle Kowalski – IMIA WGP 67(10) International Association of Engineering Insurers (IMIA) 43<sup>rd</sup> Annual Conference, Berlin, Germany, September 2010.
45. Risk engineering for major construction projects - International Association of Engineering Insurers (IMIA) 44th Annual Conference, Amsterdam, Holland, September 2011