

Resume of Leonard M. Andersen – Experienced Engineer New Combined Cycle Gas Turbine  
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technology Site

Residence / office 46 Alexander Avenue, Yonkers, NY - Three Story Private residence

NY Gas Turbine Engineer – The new technology has been developed with water into a flow of hot gas in a swirling pattern most recently with a focus on internal combustion engines , fired boiler stacks and, water swirled into gas turbines combined cycles for more fuel efficiency. Beyond more fuel efficiency there is pollution control of PM 2.5 and PM 10 particulate in coal firing etc.. Since 2009 3 Patents and presentations at ASME Power Energy, ASME South Texas Section Technical Chapter meeting and at Turbo Expo 2019 Phoenix

Journalist Media – Covered 23rd World Petroleum Congress Houston 5 -9 December . I covered the World Petroleum Congress [www.worldpetroleum.org](http://www.worldpetroleum.org) events since 2001 as an accredited journalist.

Welding Inspector CWI Engineer - Since August 2014 Buildings Shops Etc. New York City and Ohio / CT and more than 15 years NYCDOT inspector direct and through contractor

Construction Project Manager - Engineer October 2000 to May 2014 - Welding Man / Geotechnical Engineer ( Dockbuilders LU 1556 practical ) at NYCDOT Division of Bridges - projects which participated in were in the range from 100 million USD to 700 million USD.

Inventing - My patents are five in welding, two in petroleum, one in lubrication, two issued 8,671,696 & 9,376,933 and Continuation In Part Patent Application No. 17/233,993 Filed: April 17, 2021 in Internal Combustion engine , New Combined Cycle Gas Turbine Technology , Smoke stack tech ( Total 11 ) .

Engineering Society Memberships - Active in NYC American Civil Engineers Society [www.ascemetsection.org](http://www.ascemetsection.org) & ASME [www.asmemetsection.org](http://www.asmemetsection.org) & ASME International Gas Turbine Institute (IGTI) presenting & American Institute of Chemical Engineers [www.aiche-metrony.org](http://www.aiche-metrony.org) & Society of Petroleum Engineers New York and NE Petroleum Section <http://nyne.spe.org> & American Welding Society [www.aws.org](http://www.aws.org), & Society of Tribologist and Lubrication Engineers [www.stle.org](http://www.stle.org) . My background includes +20 years membership in [www.spe.org](http://www.spe.org) / [www.aws.org](http://www.aws.org)

Education – Short Courses -- Took [practicalaero.com](http://practicalaero.com) "Intro to Jet Engines" three days --- TGA Steam & Gas Turbine 2-Day Training Event in Charleston, SC -- Gas Turbine day long ASME courses

**SEC Registered Representative** ( Stock Broker) Qualified Security Training Corporation NYC trained  
**BSCHE** ( Bachelors Science of Chemical Engineering ) University of Arizona, Tucson, Arizona

Diploma in Marine Diving, National Polytechnic College of Engineering and Oceanering, Wilmington CA / Associates of Applied Science of Chemical Technology, Westchester Community College, Valhalla NY / US Army Engineering School, Fort Belvoir VA -- Society of Petroleum Engineers, Short Courses / [www.uspto.gov](http://www.uspto.gov) coursed Inventor Writer of Patents, Wrote More disclosures . Patent Attorney Ed Ellis [www.LeasonEllis.com](http://www.LeasonEllis.com) . Former patent firm Darby & Darby - Rob Sullivan !

Fields of Experience - Electrical Generation / Propulsion -- Construction Project Management / Welding engineering for structural steel applications with an emphasis on bridges / chemical engineering and +20 years part time journalism at world class petroleum events . Last 20 years I have spoken Chinese every day at work. Worked in Spanish language in Mexico, Spain etc., and Arabic in the Kingdom of Saudi Arabia for near a year, Norwegian in Norway etc. for about six months and worked in the Russian language.