

Curriculum Vitae

Name: Ammann
First name: Hans Ulrich
Date of birth : 13.04.1946
Address: Weststrasse 69 CH-4900 Langenthal – Switzerland
email: huammann@aro.ch
Position in SPL: Founder and General Manager
Languages (best first): German, English, French

Education: 1971: Master of Science in Mechanical Engineering from the Swiss Federal Institute of Technology ETH (majors: internal combustion engines, turbo machines, aeronautic lightweight construction)
academic title: dipl. Engineer ETH

Present job activities: Founder and General Manager of Swiss Propulsion Laboratory SPL
CEO and controlling shareholder of ARO TECHNOLOGIES AG
CEO and controlling shareholder of ARO DISTRIBUTION AG

Career history

1998: Foundation of Swiss Propulsion Laboratory SPL (Non-Profit-Organisation)

- Construction and procurement of basic infrastructure for the development of small rocket engines
- Design and construction of a indoor test facility with sound absorber system
- Development and testing of spark initiated torch igniters for different propellant combinations
- Basic experiments in the field of gas-dynamic resonance ignition
- Development of catalytic pressurization gas heating systems (Tridyne)
- Design and testing of impinging injector elements for LOX/ethanol
- Design and testing of modular experimental thrust chambers with gaseous and liquid propellants

1972: Foundation of ARO AG (Engineering, development and production)

- Liquid filtration technology
- Medical equipment, Aerosol inhalators (NovAir)
- Installation of a test cell for internal combustion engines and testing of different engines with supercharging
- Exhaust emission analysers (automotive)
- Automatic spray chambers for agricultural research

1970: Brown Boveri (BBC) Baden/Switzerland
Diploma thesis on pressure wave exchangers (Comprex) for supercharging of small internal combustion engines