

1. Record Nr.	UNINA9910795205203321
Titolo	Integrated vehicle health management : implementation and lessons learned // edited by Ian K. Jennions
Pubbl/distr/stampa	Warrendale, Pennsylvania (400 Commonwealth Dr., Warrendale PA USA) : , : Society of Automotive Engineers, , [2015]
ISBN	0-7680-8855-0 0-7680-8089-4
Descrizione fisica	1 online resource (xvi, 203 pages) : illustrations (some color)
Collana	Society of Automotive Engineers. Electronic publications
Disciplina	629.28
Soggetti	Integrated vehicle health management - Evaluation Motor vehicles - Electronic equipment Motor vehicles - Testing - Equipment and supplies Automotive sensors Automotive computers Automatic test equipment Motor vehicle fleets - Maintenance and repair - Technological innovations Airplanes - Maintenance and repair - Technological innovations Motor vehicle industry - Technological innovations - Evaluation Aircraft industry - Technological innovations - Evaluation TECHNOLOGY & ENGINEERING / Automotive COMPUTERS / Software Development & Engineering / General TRANSPORTATION / Automotive / Repair & Maintenance TECHNOLOGY & ENGINEERING / Aeronautics & Astronautics Automotive technology and trades Computer programming / software engineering Vehicle maintenance and manuals Automotive (motor mechanic) skills Aerospace and aviation technology Astronautics
Lingua di pubblicazione	Inglese
Formato	Materiale a stampa
Livello bibliografico	Monografia
Note generali	"SAE order number R-438"--Title page verso. Includes index.

Nota di bibliografia	Includes bibliographical references and index.
Nota di contenuto	Introduction -- Human factors -- Trust -- Looking after planes, trains, clean energy, and human health -- IVHM systems -- Lessons learned in developing and implementing APU health management -- IVHM automated APU in-flight start program -- The RASSC project -- Computer forensics -- Reproducible biotechnology -- Rotorcraft HUMS -- Implementation of THUMS and CBM in the Israeli Air Force -- Short history of IVHM in Honeywell -- Insights on IVHM implementation at Airbus -- Aircraft health and trend monitoring -- The road to vehicle health management -- Summary and conclusion.
Sommaro/riassunto	"... This new book introduces a variety of case studies, lessons learned, and insights on what it really means to develop, implement, or manage an integrated system of systems. Integrated Vehicle Health Management: Implementation and Lessons Learned brings to the reader a wide set of hands-on stories, made possible by the contribution of twenty-three authors, who agreed to share their experience and wisdom on how new technologies are developed and put to work. ... [the book has] seventeen, fully illustrated chapters, covers diverse areas of expertise such as the impact of trust, human factors, and evidential integrity in system development. They are complemented by valuable insights on implementing APU health management, aircraft health trend monitoring, and the historical perspective of how rotorcraft HUMS (Health and Usage Monitoring Systems) opened doors for the adoption of this cutting-edge technology by the global commercial aviation industry."--
