

1. Record Nr.	UNINA9910632998503321
Autore	Armengaud Eric
Titolo	INCOBAT : innovative cost efficient management system for next generation high voltage batteries // editors, Eric Armengaud, Riccardo Groppo, Sven Rzepka
Pubbl/distr/stampa	Taylor & Francis, 2017 Gistrup, Denmark ; ; Delft, Netherlands : , : River Publishers, , 2017 ©2017
ISBN	1-00-333852-6 1-003-33852-6 1-000-79547-0 87-93519-62-1
Edizione	[1st ed.]
Descrizione fisica	1 online resource (87 pages) : illustrations (some color), photographs, charts, tables
Collana	River Publishers Series in Transport Technology
Disciplina	658
Soggetti	Management
Lingua di pubblicazione	Inglese
Formato	Materiale a stampa
Livello bibliografico	Monografia
Note generali	Includes index.
Sommario/riassunto	<p>Electro-mobility is considered as a key technology to achieve green mobility and fulfil tomorrow's emission standards. However, different challenges still need to be faced to achieve comparable performances to conventional vehicles and finally obtain market acceptance. Two of these challenges are vehicle range and production costs. In that context, the aim of INCOBAT (October 2013 – December 2016) was to provide innovative and cost efficient battery management systems for next generation HV-batteries. INCOBAT proposes a platform concept that achieves cost reduction, reduced complexity, increased reliability and flexibility while at the same time reaching higher energy efficiency.</p> <ul style="list-style-type: none"> • Very tight control of the cell function leading to a significant increase of the driving range of the FEV; • Radical cost reduction of the battery management system with respect to current solutions; • Development of modular concepts for system architecture and partitioning, safety, security, reliability as well as verification and validation, thus enabling

efficient integration into different vehicle platforms. The INCOBAT project focused on the following twelve technical innovations grouped into four innovation groups, which are summarized in this book:

- Customer needs and integration aspects
- Transversal innovation
- Technology innovation
- Transversal innovation
