SECOR

GROUP

SECOR SDV CONCEPT
World premiere at the…

embeddedworld
Exhibition&Conference

Nürnberg | 11.-13.03.2025

Die SECOR Group hat nur einen FOKUS, IHR Unternehmen RESILIENTER zu machen…

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We think Resilience

SECOR Group GmbH
www.secor.group

Die Unternehmensgruppe,
die ihrem Unternehmen hilft ihre Supply Chain
transparenter und resilienter zu machen.

SECOR
SCT

Services for Resilience

SECOR Supply Chain Transparency GmbH
www.secor-sct.de

SECOR SaaS die Toolbox,
die hilft ihre Supply Chain Risiken
Bottom Line zu reduzieren.

Whatch the video SECOR RESILIENCE*score*

SECOR
CHIPS & LIBRARY

Design for Resilience

SECOR Chips & Library GmbH
www.secor-cl.com

SECOR SDV CONCEPT macht durch standardisierte
Hardware und Software das Software Defined Vehicle
resilienter und wirtschaftlicher,
bei kürzerer Entwicklungszeit.

Whatch the video SECOR SDV CONCEPT

The SECOR Group with a FOCUS on making YOUR company MORE RESILIENT...

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We think Resilience

SECOR Group GmbH
www.secor.group

Your group of companies for resilient supply chains

SECOR
SCT

Services for Resilience

SECOR Supply Chain Transparency GmbH
www.secor-sct.com

SECOR SaaS
Your toolbox for risk reduction in the supply chain

SECOR
CHIPS & LIBRARY

Design for Resilience

SECOR Chips & Library GmbH
www.secor-cl.com

SECOR SDV CONCEPT
Standardised hardware and software for resilience and efficiency, e.g. shortened development time

Advantage: SECOR SDV CONCEPTs using the example of the automotive industry

Reduced development time
China Speed

Resilient Semiconductors
developed on 3 continents

Exchangeable Semiconductors
before SOP & in the field

Modular Software, error-free
with certified Interface

SDV: Software Defined Vehicle

09/2025 Presentation of the SECOR SDV CONCEPT CAR

embeddedworld Exhibition&Conference
11.-13.03.2025

IAA MOBILITY
09.-14.09.2025
requested

SECOR SDV CONCEPT Explanatory video

Technology: Transfer of the concept of the "IBM-compatible PC" to the car of the future – the SDV (Software Defined Vehicle)

Computer Compatibility à la IBM PC

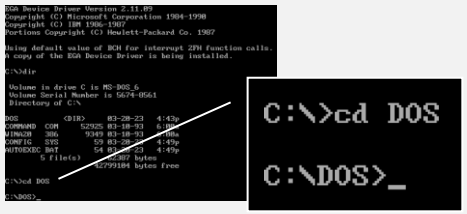
Hardware

x86 Prozessor

intel AMD inside

Software

MS DOS



SDV Compatibility à la SECOR

SECOR CHIPS

Resilient & Compatible

Standard Interface

API

for data exchange between Hardware[1)] & Software[1)]

SECOR LIBRARY

Modular, bug-free software for zonal/component-specific functions in the vehicle[1)]

SECOR COMPATIBLE

1) Open to third-party providers

Solution: SECOR SDV CONCEPT defines a standard for hardware and software that third-party providers can use, just like a "IBM-compatible PC" (x86) for the SDV

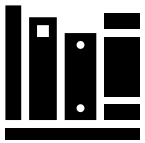
The SECOR team has developed a patent-pending product innovation for Software Defined Vehicle (SDV) that makes hardware and software interchangeable in a standardized way for the first time in the automotive sector.

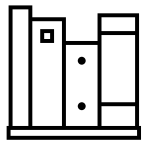
- New universally applicable semiconductor (from window regulator control to motor control)
- Complexity is reduced → Fewer different chips → Simplified bills of materials with simplified logistics
- Cross-generational updates of the hardware with the same software (as with the x86 PC)
- More resilient, as the semiconductors are produced in at least 2 factories on different continents
- **Software** is standardized, comes from the "library" and can be used multiple times → Simplified and shortened development processes with higher quality / product maturity for market launch at the same time
- The software enables safe use
- Efficient, retrofitted, software-based optional equipment ("Dog Mode" at Tesla)

Patent pending: According to C-level managers in the automotive industry, the SECOR SDV CONCEPT could be a game changer – Why?

Software – standardized (analog x86 PC)

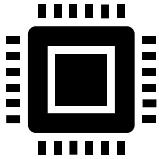
- **Modular software packages** accelerate the development process to the SOP
- **Re-Use of the software** due to standardized HL (binary-compatible as with x86 PCs) *Once programmed, error-free software can be used again and again on the same processor family.*

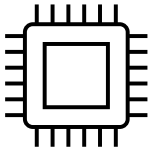




Hardware – standardized (analog x86 PC)

- **Standardized semiconductors** (binary-compatible processors based on RISC-V) enable **resilient supply chains**
- Industry-wide awarding of hardware to at **least 2 fabs** on different continents
- **Replacement of hardware** as part of the development process and in the use phase (Semiconductor Pin Compatibility)

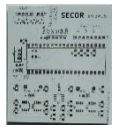




Software modules reusable & hardware replaceable, resilient, i.e. available even in the next semiconductor crisis

Go to Market Strategy: Roadmap 2025 to the industry-wide SDV consortium

SECOR Patent
(80+ pages)
04/2024



SECOR SDV PoC #1
Depending on switch, temperature sensor respond LED/motor
12/2024

SECOR SDV CONCEPT PoC #1
03/2025

embeddedworld Exhibition&Conference
11. – 13.03.25
Nürnberg

SECOR SDV DEVELOPMENT KIT 0.1
Zonal E/E architecture, based on PoC#1
04/2025

SECOR SDV DEVELOPMENT KIT 1.0
Tauschbare RISC-V Chips, zonal E/E Architektur

SW

SECOR SDV CONCEPT CAR
Mobile chassis / prototype with zonal E/E architecture, exchangeable chips

eWolf | SECOR inside 1.0

08/2025

IAA MOBILITY
09. - 14.09.2025, MUC

off 22.09.2025

SDV-Konferenz

ordered
2nd Source SoC
(System on Chip)

Industry-wide SDV consortium

eWolf | SECOR inside 2.0

SECOR LIBRARY

Collection of functional software modules based on microprocessor with multi core RISC-V SoC FPGA

MICROCHIP
PolarFire® SoC FPGAs

We invite you to embedded world 2025 on 11.-13.03.2025 in Nuremberg, Hall 2, Booth 637g

embeddedworld
Exhibition&Conference

SECOR Stand: 2-637g

As a start-up funded by the BMWK, we can offer you free tickets for embedded world 2025.

www.embedded-world.de
Link: embedded world | Aussteller finden