



4th Civilian Armoured Vehicle Forum

21-23 October 2025

Palexpo, Geneva, Switzerland

Hosted By:



AidEx has teamed up again with Armoured Consulting to host the 4th Annual CAV Forum 2025. This event is unique being the only global programme that focuses exclusively on the major issues influencing and affecting civilian armoured vehicle fleets for the aid, development and diplomatic communities. The programme begins with a live firing ballistic and blast simulation demonstration on the day before AidEx, followed by a programme of discussions and learning at the CAV Forum located inside the AidEx Exhibition in Geneva.

Conference Themes:

**Operational efficiency
in systems and
processes**

**Lessons learned from
real-world performance
drive continuous
improvement**

**Enhanced technical
knowledge of critical
mobility testing
standards and vehicle
subsystems**

Speakers Include:



Dorian Serfontein
Director
Fennick Group



Rob Getreu
Principal Consultant
Armoured Consulting



Chris Bolin
QA/QC Team
Lead/CWI/ISO 9001
Lead Auditor
US Dept of State/DEAV



Brady Russell
General Engineer
US Dept of State/DEAV



Chaim Daon
CEO
Arc-Eyes Ltd



Tim Renes
Chairman
VPAM



Daniel Hardy
Road Safety
Manager
Toyota Gibraltar
Stockholdings (TGS)



Sascha Lucas
Director of Operations
MOV'IT GmbH



Theo Verbruggen
Sales Director
JRZ Suspension
Engineering B.V.



Agenda Overview

Tuesday 21 October - Live fire demonstration in a secure location, 15 minutes' drive from central Geneva

Pre-demonstration Networking Lunch, bringing all participants together at a local restaurant, providing an opportunity to engage with fellow delegates, in preparation for an afternoon's shooting. The Live Fire element will be held at a secure location 15 minutes from central Geneva and close to the restaurant, the day before AidEx on October 21. The Live Firing Demonstration will be held from 14:30-16:00 and provide a simulation of a ballistic attack on a vehicle by the Geneva Police. The Geneva Police will also demonstrate an under vehicle and roof grenade blast attack on the vehicle as well as a small explosive device attached to a side door - sometimes known as a "sticky bomb" - to demonstrate their destructive capability.

Live Fire Networking Lunch Sponsor:



Agenda Overview

Wednesday 22 October - Conference at AidEx Palexpo, Geneva

09:30 – 10:00 Welcome Coffee, Introduction and Programme Overview

10:15 – 11:00 Driving Improved Effectiveness and Efficiency through the Discipline of Program Management

11:00 – 11:15 Coffee Break

11:15 - 12:00 The Theory and Practical Application of Lessons Learned Systems as part of continuous improvement in the Procurement and Management of CAVs

12:00 – 12:15 Coffee Break

12:15 – 13:00 Welding Armour: The Foundation of Protection for Civilian Armoured Vehicles

13:00 – 14:00 Lunch Break

14:00 – 14:45 Production Assurance and Conformity: The US Dept of State Quality Control Program

14:45 – 15:00 Coffee Break

15:00 – 15:45 Panel Discussion - The Challenges of Fleet Management - Lesson from the Field

15:45 – 17:00 Visit AidEx Exhibition



Agenda Overview

Thursday 23 October - Conference at AidEx Palexpo, Geneva

09:30 – 10:00 Welcome Coffee

10:00 – 10:45 International VPAM Standards: BRV (Ballistics) & ERV (Blast)

10:45 – 11:00 Coffee Break

11:00 – 11:45 10 Years On the Road: Lessons from CAV Driver Training Across the Aid Sector"

11:45 – 12:00 Coffee Break

12:00 – 12:45 Braking Power Under Armour: Essential Brake Systems for Civilian Armoured Vehicles

12:45 – 13:45 Lunch Break

13:45 – 14:30 The Critical Importance of Tyres for Occupant Safety and Fleet Economics

14:30 – 14:45 Coffee Break

14:45 – 15:30 Open Forum Discussion

15:30 – 16:00 Closing Remarks



View detailed session breakdown on the following pages



22nd October - 10:15 – 11:00 - Driving Improved Effectiveness and Efficiency through the Discipline of Program Management



Dorian Serfontein
Director
Fennick Group

A well-structured Program Management approach can significantly improve the coordination and management of civilian armoured vehicles leading to real cost savings and improved fleet performance. Key aspects include integrated planning and coordination across all stakeholders and primary operational areas such as procurement, through life support, training and disposal, lifecycle management and data driven performance efficiencies.

Dorian Serfontein, Director of Fennick Group, is a former army officer and consultant with significant experience in end-to-end capability management for large fleets with global significance. He will outline the key aspects of how a well thought out and implemented program management approach can be utilised by NGOs and governments so as vastly improve the effectiveness, efficiency and costs involved in operating civilian armoured vehicles.



22nd October - 11:15 - 12:00 - The Theory and Practical Application of Lessons Learned Systems as part of continuous improvement in the Procurement and Management of CAVs



Rob Getreu
Principal Consultant
Armoured Consulting

In today's ever changing world, the requirement for "doing more with less" has never been more critical. This has led to the idea of "Corporate Neuroplasticity". It all starts with awareness. In humans, the adult brain does not change much unless it is provided with the right message, experiences and the conduits (like neuro chemicals) that then either strengthen or weaken connections - same is true for corporations and their ability to change and improve. Effective and efficient 360 degree organisation systems drive improvement and cost efficiencies. A key aspect of this is a structured "Lessons Learned" model that turned human and cost incidents into systems improvements and cost reductions. Continuously making the same mistakes will only drive up costs in terms of budget and human lives. Rob Getreu, will outline the core elements of a structured Lessons Learned systems that can provide meaningful input into an organisation's drive for improved efficiency, effectiveness and cost savings.



22nd October - 12:15 - 13:00 - Welding Armour: The Foundation of Protection for Civilian Armoured Vehicles



Chaim Daon
CEO
Arc-Eyes Ltd

The integrity of every civilian armoured vehicle relies heavily on the quality of its welded joints. The welding process is what binds the armoured steel together, ensuring the vehicle's overall protective strength. But quality welding is much more than just a welder and a machine.

Key questions must be addressed: Is there a well-defined weld plan?; Is the correct equipment being used?; Is the welder properly qualified?; Does the welding meet international standards?

Remember, if a weld fails, so does the vehicle's protection. Chaim Daon from Arc-Eyes, a highly experienced and accredited AWS weld inspector, will explain everything you need to know about ensuring high-quality welding for armoured steel in civilian armoured vehicles.



22nd October - 14:00 - 14:45 - Production Assurance and Conformity: The US Dept of State Quality Control Program

Quality Assurance/Control




Chris Bolin
QA/QC Team
Lead/CWI/ISO 9001
Lead Auditor
US Dept of State/DEAV



Brady Russell
General Engineer
US Dept of State/DEAV

A comprehensive Department of State armored vehicle quality control program ensures reliability, safety, and performance through rigorous evaluation and oversight. First Article Testing (FAT) plays a critical role in verifying that initial production units meet all design and performance specifications before full-scale manufacturing begins. The program relies on a highly skilled team, requiring personnel to meet strict qualifications to maintain high-quality standards. Inspection processes include thorough assessments of structural integrity, ballistic protection, and system functionality, with a particular focus on Transparent Armor, which undergoes specialized testing for clarity, ballistic resistance, and durability. When defects arise, a structured Root Cause Corrective Analysis (RCCA) is conducted to identify underlying issues and implement effective solutions to prevent recurrence. Additionally, welder qualifications are paramount, as armored vehicles depend on precision welding to ensure structural integrity and protection. By enforcing these stringent quality control measures, the program guarantees that armored vehicles meet the highest standards of durability and field effectiveness.



22nd October - 15:00 – 15:45 - Panel Discussion - The Challenges of Fleet Management - Lesson from the Field

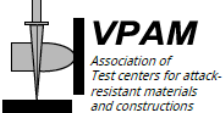


Specifications, procurement and production are only the start of the life-cycle of a civilian armoured vehicle. There are significant challenges in maintaining high levels of operational availability of civilian armoured vehicles in the field - supply chain for spare parts, qualified workshops with appropriately skilled technicians and equipment, technical data and quality control systems.

Our panel of experts will discuss and provide real life examples of the challenges of maintaining these critical and very expensive security assets



23rd October - 10:00 – 10:45 - International VPAM Standards: BRV (Ballistics) & ERV (Blast)

	<i>Additional document</i> Information sheet for VPAM-ERV version 3	VPAM ZD-ERV <i>Status: 07/22/2021</i>
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Information on the VPAM-ERV version 3

The guideline VPAM-ERV version 3 as of March 1st, 2021 supersedes the previous ERV guidelines ERV 2010 version 2. This information / additional document is intended to provide a brief overview of the VPAM-ERV test and its innovations.

In version 3, new evaluation methods and thus new evaluation criteria have been introduced. The main changes concern the introduction of the biofidelic dummy and an evaluation matrix based on the emergency room criteria DGU (German Society for Trauma Surgery). The used biofidelic dummy corresponds in terms of its mass distribution, movement possibilities and fracture behavior of the skeletal structure in about an average adult human. This procedure offers an excellent opportunity for a technical, reproducible evaluation of the test results. In this way, passed exams are categorized (one to three stars), making the evaluation more transparent and comparable.



Tim Renes
Chairman
VPAM

The VPAM organisation plays a critical role in setting one set of internationally recognised blast and ballistic testing standards for civilian armoured vehicles. In recent years, there have been considerable changes to the ERV (blast) testing standards. In this presentation, Tim will provide an update as to VPAM, its makeup, activities and the current state of these very important test standards.



23rd October - 11:00 – 11:45 - 10 Years On the Road: Lessons from CAV Driver Training Across the Aid Sector"



Daniel Hardy
Road Safety Manager
Toyota Gibraltar
Stockholdings (TGS)

Over the past decade, the Road Safety Program, now delivered by Toyota Gibraltar Stockholdings (TGS), has delivered Civilian Armoured Vehicle (CAV) driver training to humanitarian agencies operating in the Middle East, Africa, and Asia. This session distills key lessons learned from that experience, exposing critical gaps in driver knowledge, the impact of behavioural training, and the importance of continuous coaching over one-time instruction.

Drawing from real-world incidents, Daniel Hardy, the TGS Road Safety Manager, will explore how structured training, rigorous assessment, and lessons from crash data have shaped more effective, life-saving driver education in high-risk environments.



23rd October - 12:00 – 12:45 - Braking Power Under Armour: Essential Brake Systems for Civilian Armoured Vehicles



Sascha Lucas
Director of Operations
MOV'IT GmbH

When considering civilian armoured vehicles, a critical factor often overlooked is braking performance. The additional weight from armouring significantly increases the demand on the brake system—but what exactly does that entail? What specifications must be considered to ensure safety and reliability? Are the number of pistons a key factor, or are there more crucial parameters? How do you determine and assess the performance of the brake system?

Sascha Lucas, Director of Operations, MOV'T GmbH, will explore the essential requirements for braking systems in civilian armoured vehicles from design considerations to performance expectations.



23rd October - 13:45 – 14:30 - The Critical Importance of Tyres for Occupant Safety and Fleet Economics



Theo Verbruggen
Sales Director
JRZ Suspension Engineering

Statistically, there are more occurrences, deaths and injuries from road traffic incidents than there are from blast or ballistic attacks. World Health Organization's (WHO) "Global Status Report on Road Safety 2023" indicates that approximately 1.19 million people die each year due to road traffic crashes, with an additional 20 to 50 million individuals sustaining non-fatal injuries. The only components connecting a civilian armoured vehicle to the road are the tyres. Catastrophic consequences occur when tyres are not regularly inspected or are poorly maintained; or suitable for the altered weight and mobility considerations of the civilian armoured vehicle. Protecting vehicle occupants is more than just the armour suite. Theo will provide a detailed review of how tyres are made as well as the different types of tyres, compound mixtures and treads commonly used with civilian armoured vehicles. He will demystify the side wall codes and elaborate on how tyre conditions impact vehicle mobility and performance (tyre pressure in particular).



Ticket information

The Armoured Vehicle Programme is for technical specialists, procurement officers, fleet managers and end users. Delegate Ticket are also available for Commercial Organisations, Consultants, Non-Armourer, Component, Accessories Suppliers. AidEx has the right to cancel registrations we deem not to meet this criteria for each ticket. If you work for a uparmourer or vehicle manufacturer, please get in touch to discuss exhibiting or sponsorship opportunities by emailing: nicholas.rutherford@aid-expo.com

Register your place:

<https://ti.to/aidex/aidex-civilian-armoured-vehicle-forum-2025>

