

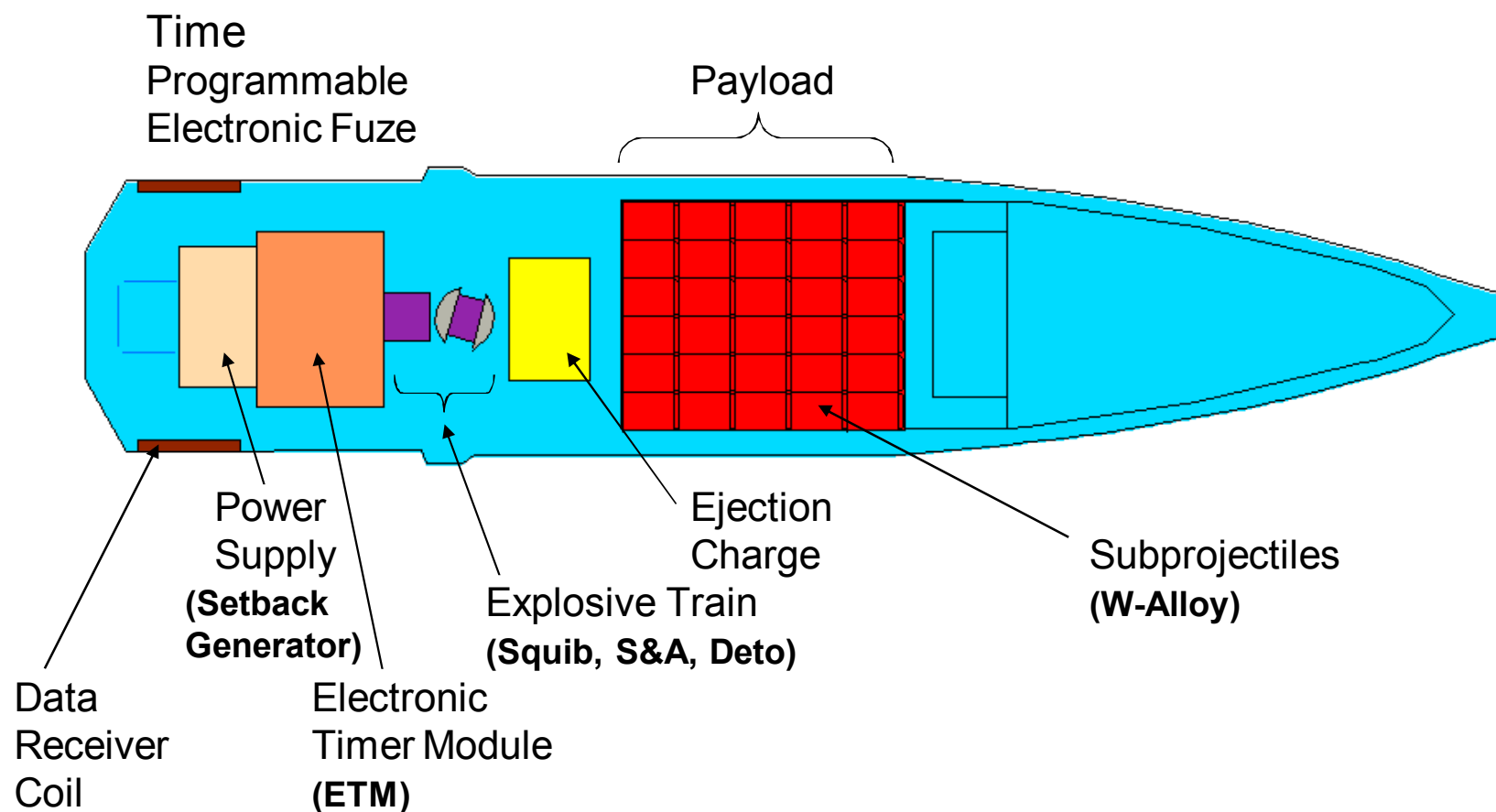


Safety, Reliability & Performance of the Ahead (ABM) Programmable Fuze System

NDIA 39th Annual Gun & Ammunition
Baltimore, MD Apr. 13-16, 2004

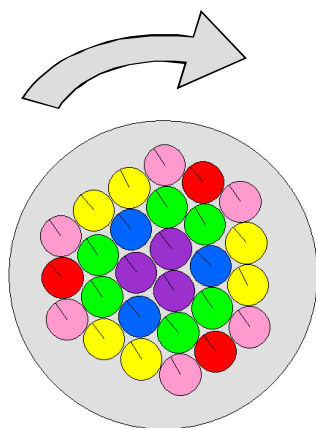
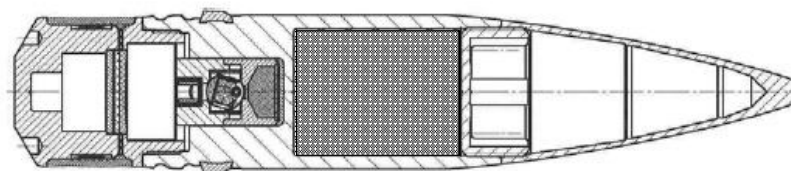
Presented by:
Allan Buckley
Director Product Management
Oerlikon Contraves Pyrotec AG
CH-8050 Zurich / Switzerland
www.mauseroerlikon.com
allan.buckley@ocag.ch

Ahead (ABM) KETF Projectile Concept Outline

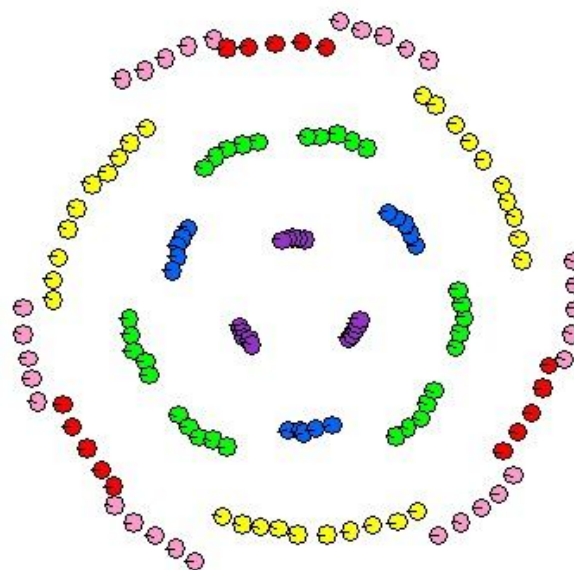


We reserve all rights in connection with this document. Data, descriptions and graphics have only an information value. Modifications are reserved.

30mm x 173 Ahead (ABM) KETF Subprojectile Payload: Layout & Footprint



**Layout of the
162 Subprojectiles SP
(1.24 g each)
27 SP x 6 Layers**



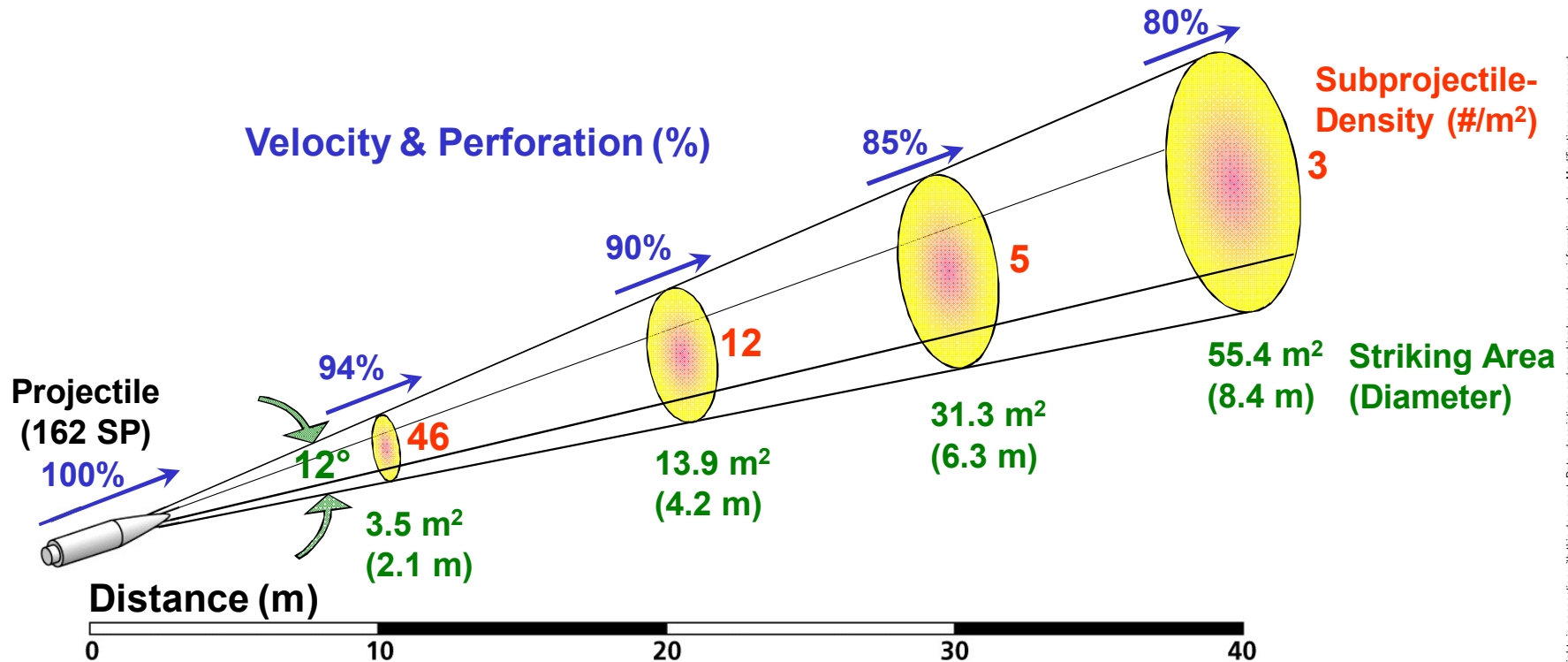
**Version: 27 SP x 5 Layers (1.5 g)
(Simulation after 500µs)**



**Payload-Footprint on 1 x 1 m
Al-Plate after Ejection of the
162 SP (4 ms after ignition)**

30mm x 173 Ahead (ABM) KETF Subprojectile Dynamic Parameter

Payload Ejection at 500 m Range (Cone of 12° Opening Angle)



We reserve all rights in connection with this document. Data, descriptions and graphics have only an information value. Modifications are reserved.