



The PROTECTOR RWS product and its Productification

Pål Andersen, Director, Product Development Kongsberg Protech Systems





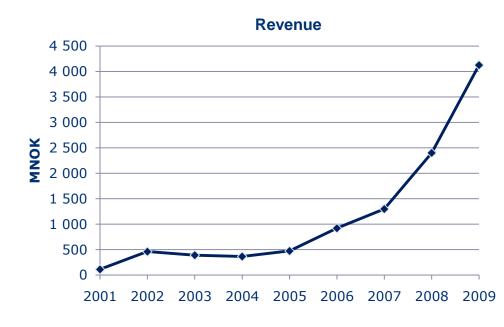
Topics to be covered:

- The Company
- The Product
- The Challenges
- The path forward

Kongsberg Protech Systems



- A Business Area of Kongsberg Gruppen
- 2009 revenue of 4 123 MNOK and EBITA of 442 MNOK
- 568 employees (31/12-2009)
- Revenue 7.3 MNOK/employee
- Offices/factories in:
 - Kongsberg (Norway)
 - Johnstown, Pennsylvania (USA)
 - Alexandria, Virginia (USA)
 - Mt Arlington, New Jersey (USA)
 - London, Ontario (Canada)
 - License production at Thales UK (Scotland)



Why a Remote Weapon Station? The "Problem" and the "Answer"













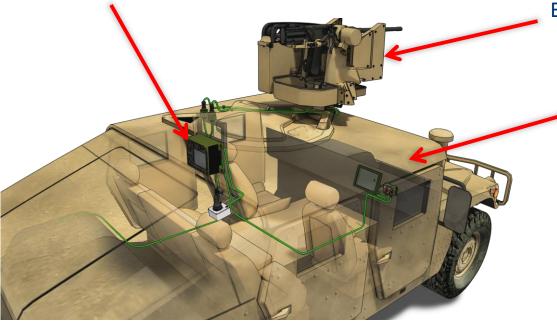
PROTECTOR



The PROTECTOR mounted in a vehicle (illustration)



Internal mounted Display, joystick and controls



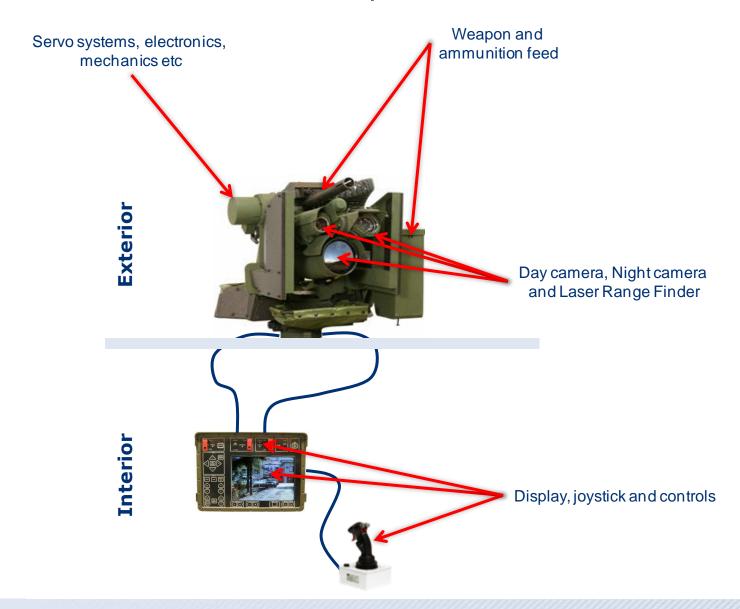
Externally mounted Weapon Station

Protected vehicle



The PROTECTOR main components:





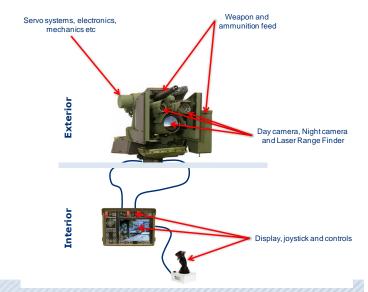


MANY CUSTOMERS





- All projects are somewhat different
 - -> ~40 variants of the Product (Sensor integrations, weapon integrations, platform cables. MMI)
 - SW has to be tailored for all projects
 - One Nation may have many different projects
 - Documentation has to be tailored for each project



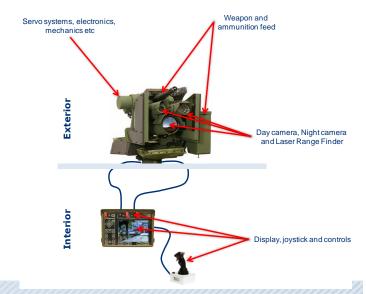


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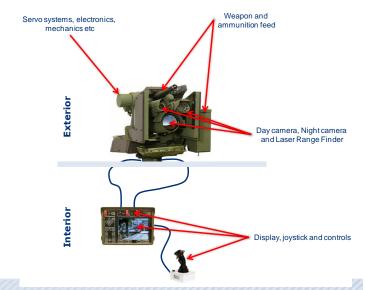






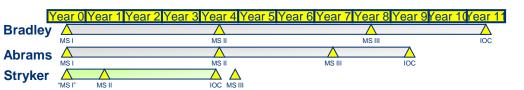








SHORT DELIVERY TIME









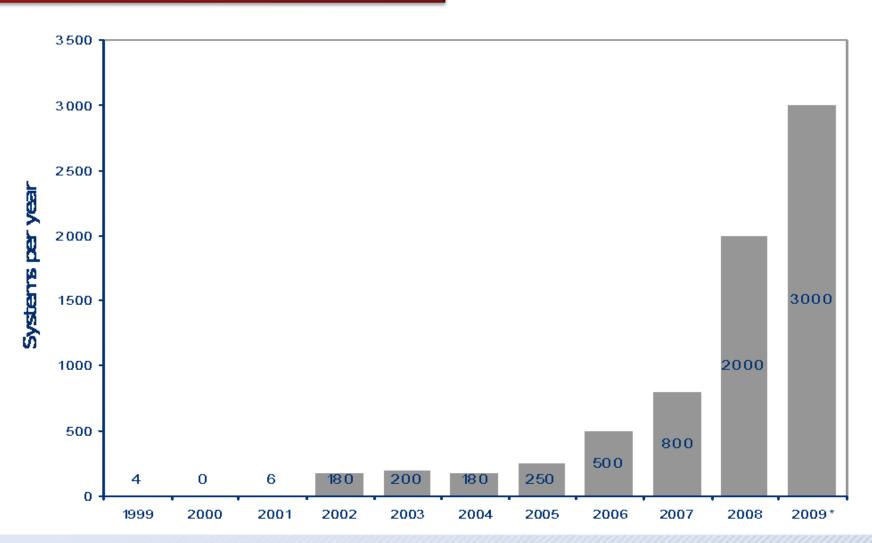
 Short time from Contract award to deployment is the general rule

Examples:

- Canada: ~5 months.
 PROTECTOR's were sent to South
 Africa were they were mount to the
 vehicle and further shipment to
 Afghanistan
- France: ~6 months
- US (REF): a few weeks



HUGE VOLUMES





































































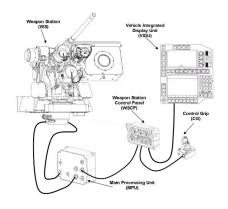


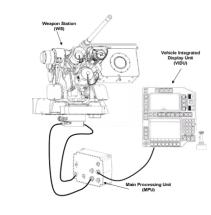


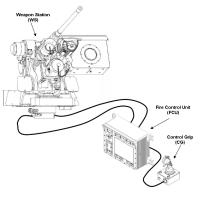


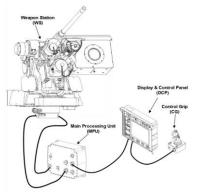


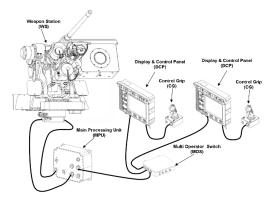


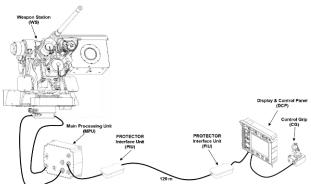




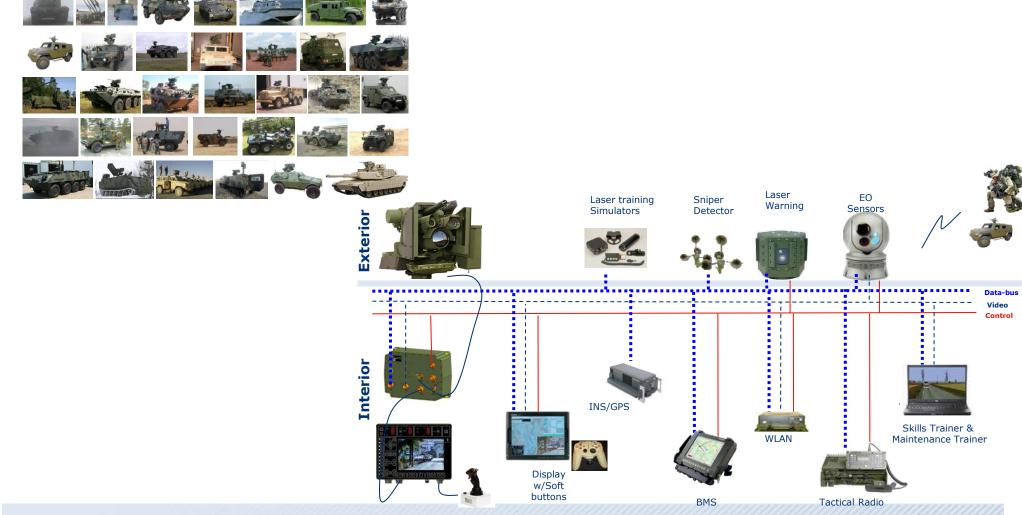






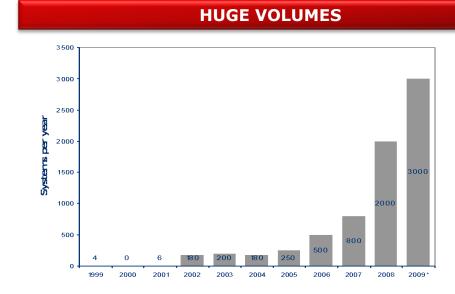




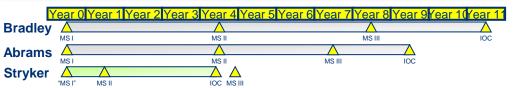




MANY CUSTOMERS The state of th















The path forward (*Productification*)



- Standardization
 - Major effort to reduce number of variants of components
- Configuration of deliveries
 - Focus of easy configuration of <u>standardized</u> components to a customer specific Product (including colour and marking)
- Flexibility
 - Ensure flexibility for customer specific configuration of product.
 - But, adapt the standard components when needed.
- Implementation of Product Management processes
 - Structure the management and development of the Product and its components
 - Product strategy including short and long term roadmaps (5 to 10 years)

Questions?



