



Make in India' Paradigm – Roadmap for a Future Ready Naval Force

April 18th & 19th 2016 – New Delhi

Session 3: Torpedo and directed Energy Weapons

Perspective on Torpedoes – Propulsion and Frame

Presented by **ATLAS ELEKTRONIK Naval Weapons Division**

... a sound decision

Constants & Trends

End-user's expectation

- **Safer**
- **Quieter**
- **Smarter**

➤ **Deadlier**

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Technical/technological invariants

- **Electricity as Energy Source**
- **Fibre Optical**
- **21''**

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Future Propulsion System and Power Grid Potentials

- Modular battery system,
- Contact-free gear,
- Variable-pitch propeller.

New

New

New

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Future Communication Potentials

- Fibre-optical link on board side, **New**
- Resilient fibre-optical wire.

Improve

Constants & Trends

Future Overall System Potentials

- Torpedo hulls' hydrodynamics, **New**
- Torpedo hulls' dynamic hydroacoustic adaptation, **New**
- Torpedo hulls' environmental awareness, **New**
- Alternative payloads **New**

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