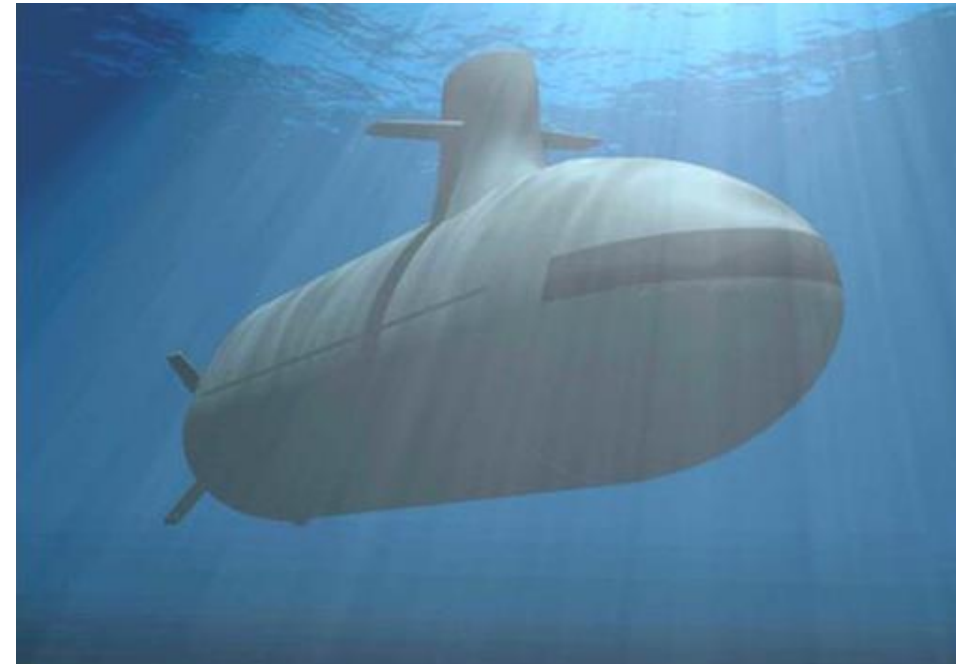


Adler Technoserve Pvt Ltd

Consulting-Documentation-Training

Sub-surface Vessels



Adler Technoserve Pvt Ltd

- Consulting company from Pune
- Founded by Navy veterans
- Provide following services: -
 - Exclusive representatives for a European marine design bureau
 - Business and technical capability building in Defence and Manufacturing sectors
 - Owner's engineer support for solar power plants
 - Technical documentation
 - Technical and business skills training

Our Partner

- Sweden based design bureau
- Specialises in following systems: -
 - Submarines
 - Manned submersibles
 - Unmanned Underwater Vehicles – ROVs and AUVs
 - Unmanned Surface Vessels - USVs
 - Manned High Speed Surface Craft
- Professional world class core team with proven design experience of 20 to 40 years each in yards across Europe, Australia and Asia

Services Offered

- Services Offered: -
 - **Naval Architecture** – Vessel Design and Analysis
 - **Interdisciplinary Technology Areas** – Hydrodynamics, Hydrostatics, Signature, Shock Design, Structural Design, Performance Analysis and Management,
 - **Design Engineering** – Mechanical, Electrical and Mechatronic Design and Analysis

Services Offered

- Services Offered: -
 - **Systems Engineering** – System Design, Requirement Engineering, Modelling etc
 - **System Integration** – PGD, Motion Control, IPMS, C5ISR, Auxiliaries, SMERAS etc
 - **Integrated Logistics Support** – RAMS Analysis, Life Cycle Costing, Spares Analysis, Supply Chain Analysis, Obsolescence Engineering etc
 - **Quality Management**

Tools Used for Design

- Software Tools Used for Design and Analysis: -
 - Paramarine
 - Sener Foran
 - PTC Creo
 - Xflow
 - LS-Dyna
 - Altair Hyperworks
 - MSC Software
 - Etap
 - IDS Ship EDF for Electronic Signature Analysis
 - Maple/ MapleSIM
 - Matlab

Mystique

Modular Submarine Design Concept

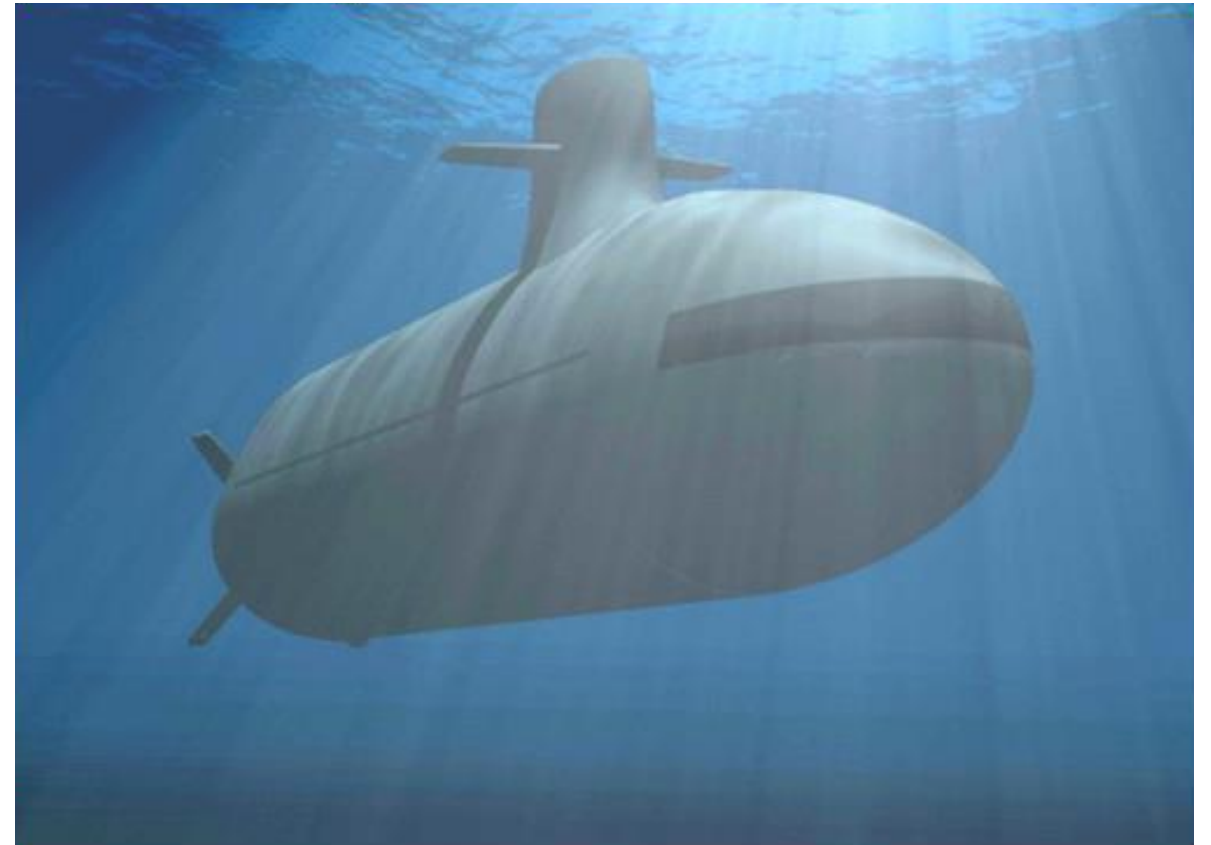
- AIP endurance 14 days
- Highly automated IPMS
- Complement 28 to 36
- 06 primary modules
- 05 optional modules for specific configuration

Length – 60 to 90 m

Displacement – 2,500 to 5,000 Tons

Diving Depth > 250 m

Range > 13,000 nm



Defiance

Modular Submarine Design Concept - Small

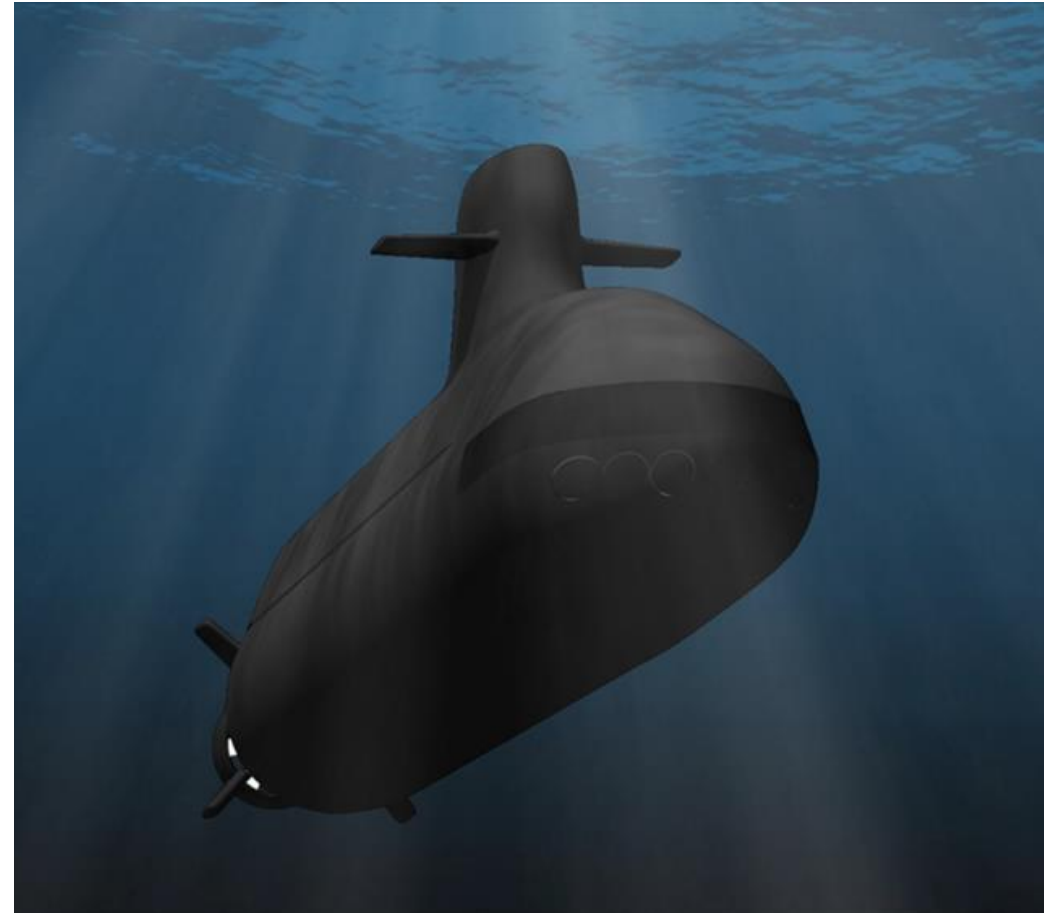
AIP endurance 10 days
Highly automated IPMS
Complement 19
Diver delivery with lock out

Length – 46.5 m

Displacement – 750 Tons

Diving Depth > 250 m

Range > 5,000 nm



Intrepid

Multi-role Special Ops Submersible

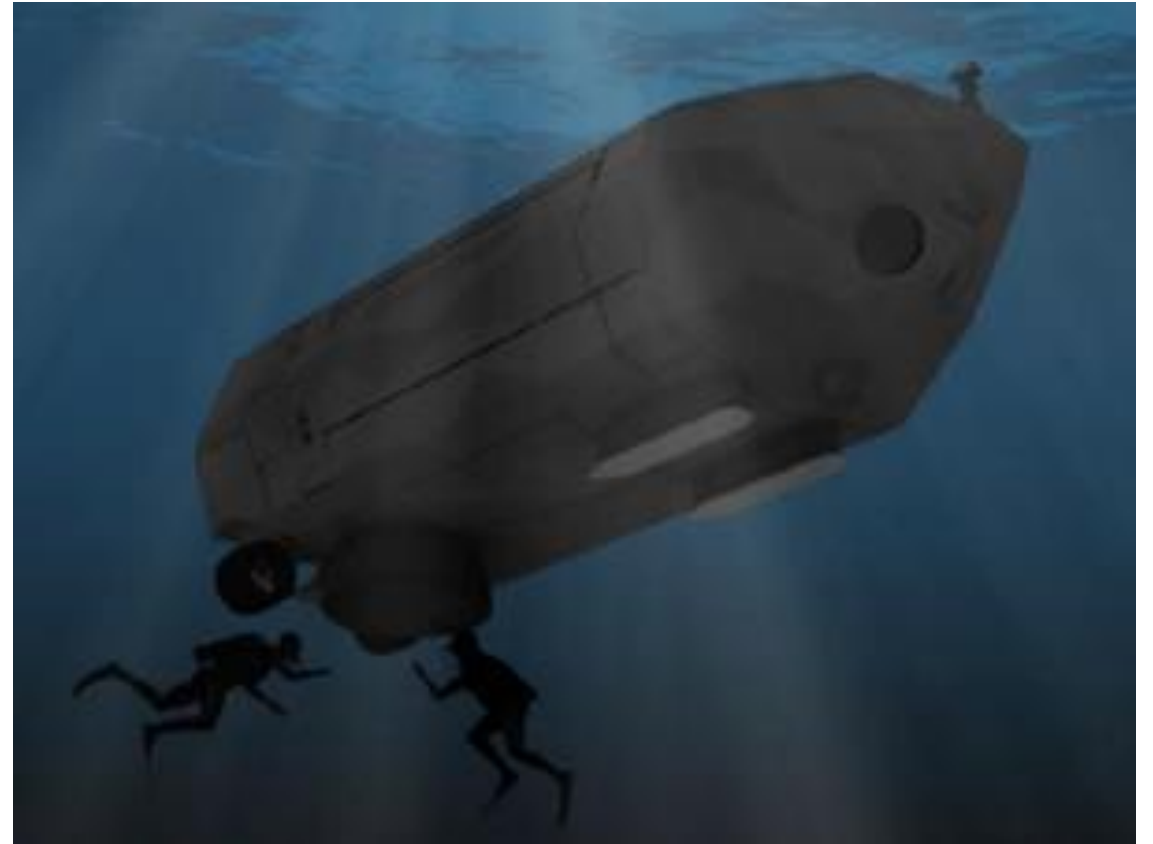
Can deploy 6-8 divers
AIP fuel cell and Li-ion batteries
Deployable from shore/ ship/
submarine

L x B x H = 8.3 m x 3.2 m x 3.2 m

Displacement – 22 Tons

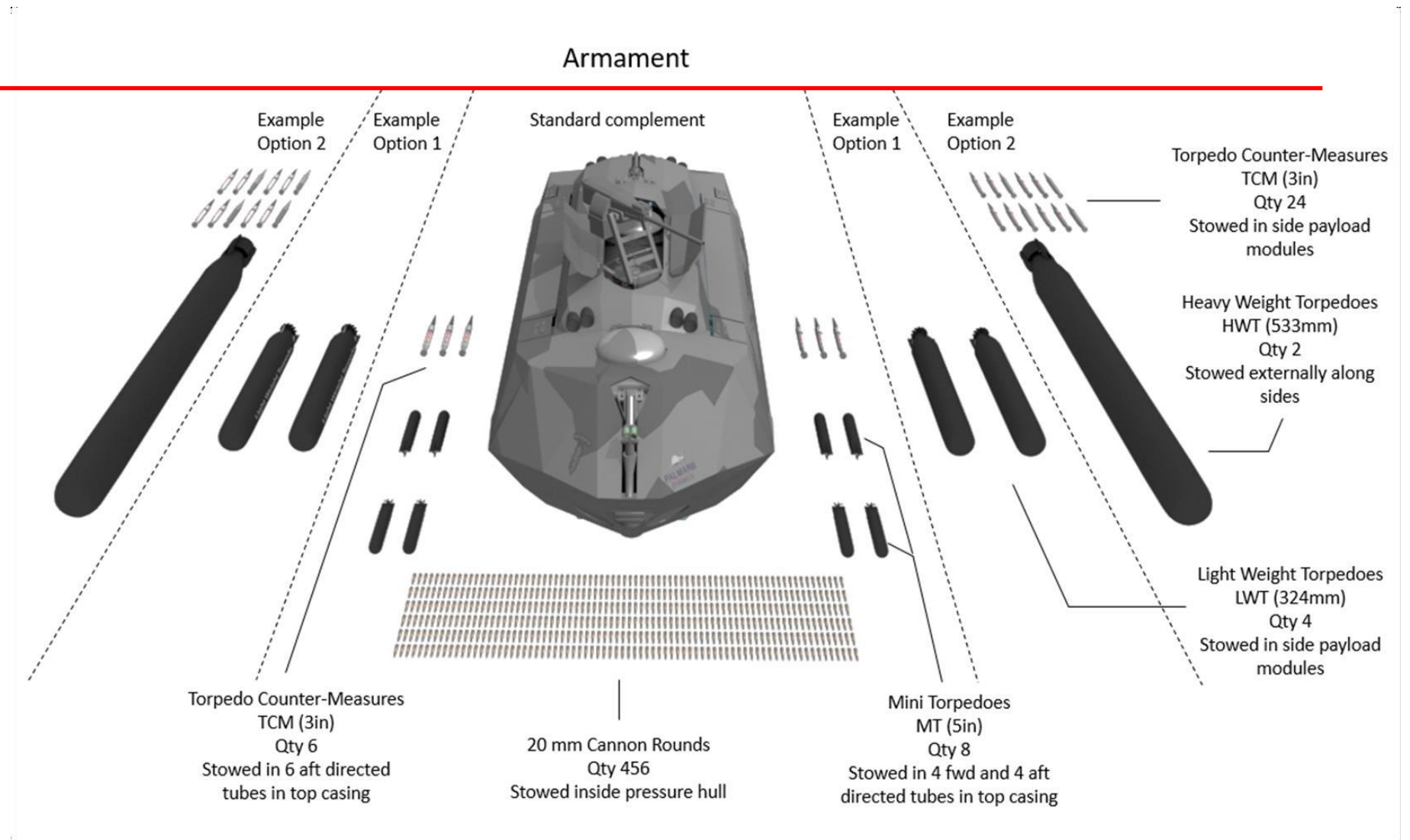
Diving Depth – 300m

Range > 160 nm



Intrepid

Options



Vigilant

Large Multi-role reconfigurable AUV

Modular payload
Cryogenic fuel cell
Li-Ion batteries

L x B x H = 11.6m x 3.2 m x 2.7 m

Displacement - 16 tons

Diving Depth – 300 / 600 m

Range - > 270 nm



Shadow

Small Multi-role reconfigurable
AUV

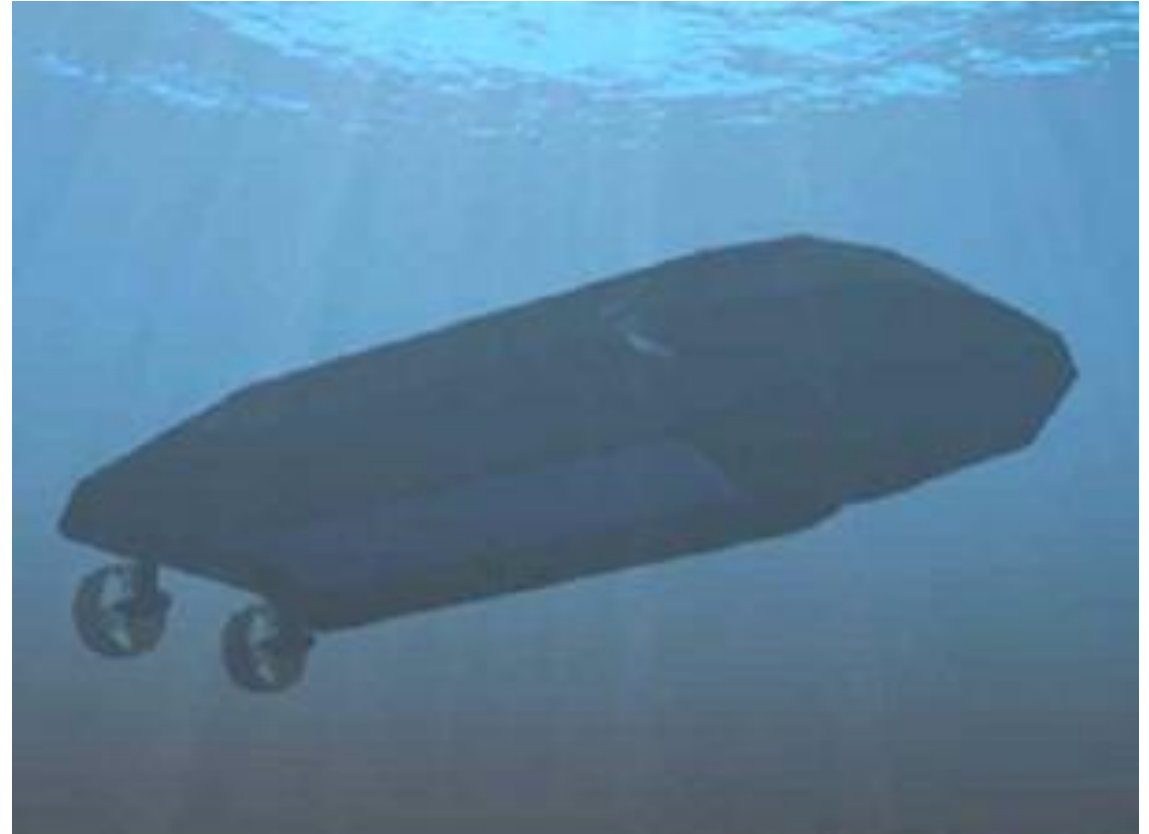
Modular payload
Cryogenic fuel cell
Li-Ion batteries

L x B x H = 3.4m x 1.6 m x 0.8 m

Displacement < 1ton

Diving Depth – 300

Range - > 100 nm



Njordr

Large Multi-role reconfigurable
Commercial AUV

Modular payload for offshore oil and
gas exploration and maintenance

Cryogenic fuel cell

Li-Ion batteries

L x B x H = 11.9m x 3.5 m x 3.1 m

Displacement < 17 tons

Diving Depth – 300 / 600 m

Range - > 250 nm



Our Clients – Consulting Services

Defence Capability Building



LARSEN & TOUBRO



गोवा शिपयार्ड लिमिटेड
Goa Shipyard Limited

Industrial Capability Building



Dynamic Cables Pvt. Ltd.

— An ISO 9001:2008 Company —

National Training Partners for



Contact Us

Adler Technoserve Pvt Ltd
Level 6 Pentagon Towers P2
Magarpatta City
Pune 411028

020-40147823
+91-9899345747

info@adlertechnoserve.com

www.adlertechnoserve.com

