



VAR ELECTROCHEM

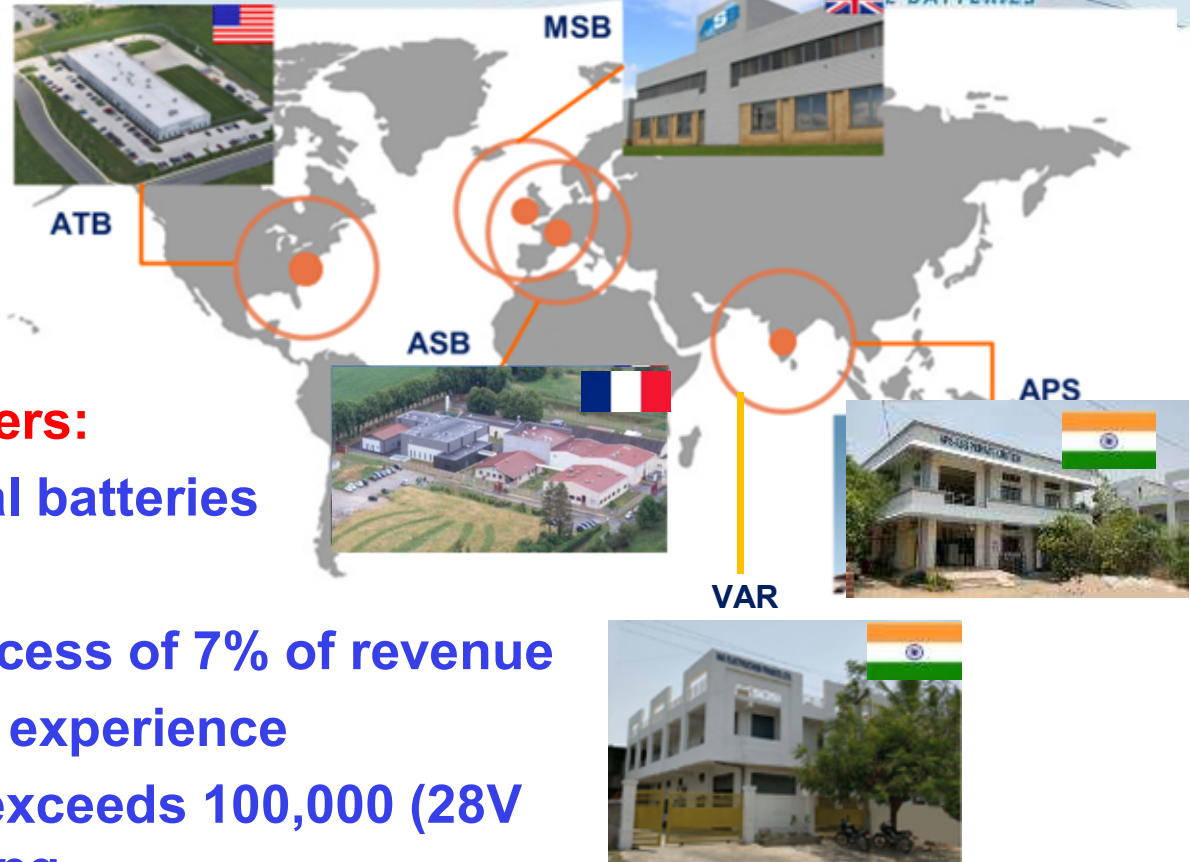
INDIAN REFERENCE FOR THERMAL BATTERIES

VAR & ASB Group in India





ASB Group – Global Presence



ASB Group in a few numbers:

- Produces only thermal batteries
- 460 employees
- R&D Investment in excess of 7% of revenue
- More than 60 years of experience
- Single shift capacity exceeds 100,000 (28V equivalent) and growing
- More than 3 million batteries produced to date
- Average of 30 development programs every year
- All sites are ISO certified



VAR



VAR

- VAR is a Joint-Venture of ASB Group.
- ASB group invests in main industrial equipment in VAR company. The new ASB group standard equipment is fully operational since January 2019.
- VAR has all technical capability to design and manufacture thermal batteries following ASB Group standard processes
- VAR will maintain ASB manufacturing Quality standards and testing.
- VAR does not need French license
- Single shift capacity of VAR is 30,000 (28V/220W equivalent)



VAR Electrochem



- Based in Hyderabad –India since 1997
- ~100 Employees
- ISO9001, 2015, JV with ASB in France from 2017
- Supplier to RCI, DRDL, ARDE, BDL, NSTL,ASL,TBRL, PGAD, ADE etc. in India (Ministry of Defence)



Large project of Investment with ASB France to reach ASB group standardization

- New building
- New presses pellet manufacture
- Dry Room assembly capability
- Inspection x-ray, leak test,
- Functional Test capability electrical, shaker





Prestigious Projects



PROJECTS EXECUTED:

- MILAN
- TRISHUL
- VSHORADS
- AKASH
- AKASH NG
- AKASH MK 1S
- AKASH PRIME
- SFDR
- KONKURS
- PGAD-I
- STAR
- ADE
- ARDE
- RUDRAM
- NGARM
- QRSAM
- A1P
- AMOGHA

DOMESTIC PROJECTS UNDER EXECUTION:

- KONKURS
- ADE
- PGAD-II
- INVAR
- AKASH PRIME

EXPORT PROJECTS UNDER EXECUTION:

- HALCON
- MICA- RAFALE



Dehumidifier Units





Chillers

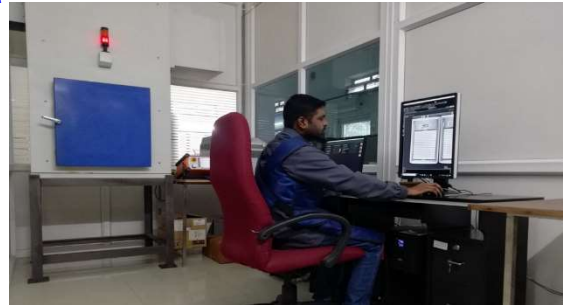




State of Art Infrastructure facility



- Dry rooms,
- Automatic Presses for pellets,
- X-Ray equipment,
- Environment test equipment
 - Vibration equipment
 - Acceleration equipment
 - Bump





Dry Room Facility at VAR





Dry Room Facility at VAR





Dry Room Facility at VAR





Dry Room Facility at VAR





PARR CALORIMETER

ASB
THERMAL BATTERIES





SHAKER CONTROLLER SETUP





Vibrator





BUMP TEST MACHINE





X-RAY FACILITY





BATTERY LEAK CHECK FACILITY





ENVIRONMENTAL CHAMBERS



This d



BATTERY NON-DESTRUCTIVE AND FIRE TEST FACILITY



NON-DESTRUCTIVE ELECTRICAL TEST BENCH

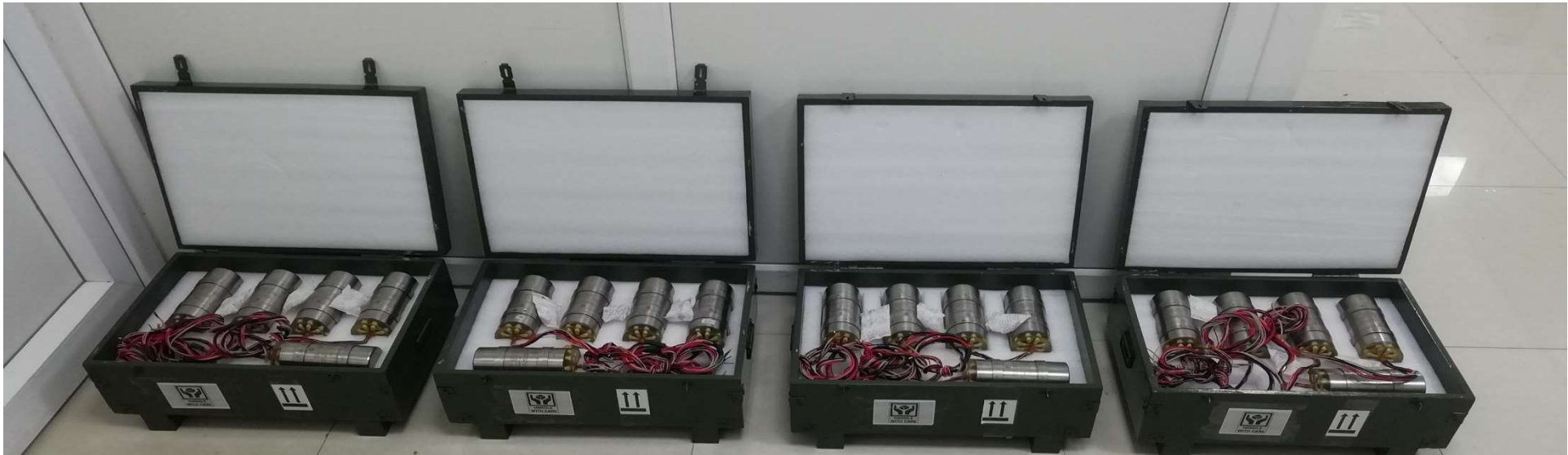


FIRING TEST BENCH





PREPARATION FOR SHIPMENT





PREPARATION FOR SHIPMENT





ASB
THERMAL BATTERIES

Thank You

VAR Contacts

Dr.R.N.Prasad

dr.prasad@varelectrochem.in

info@varelectrochem.in

