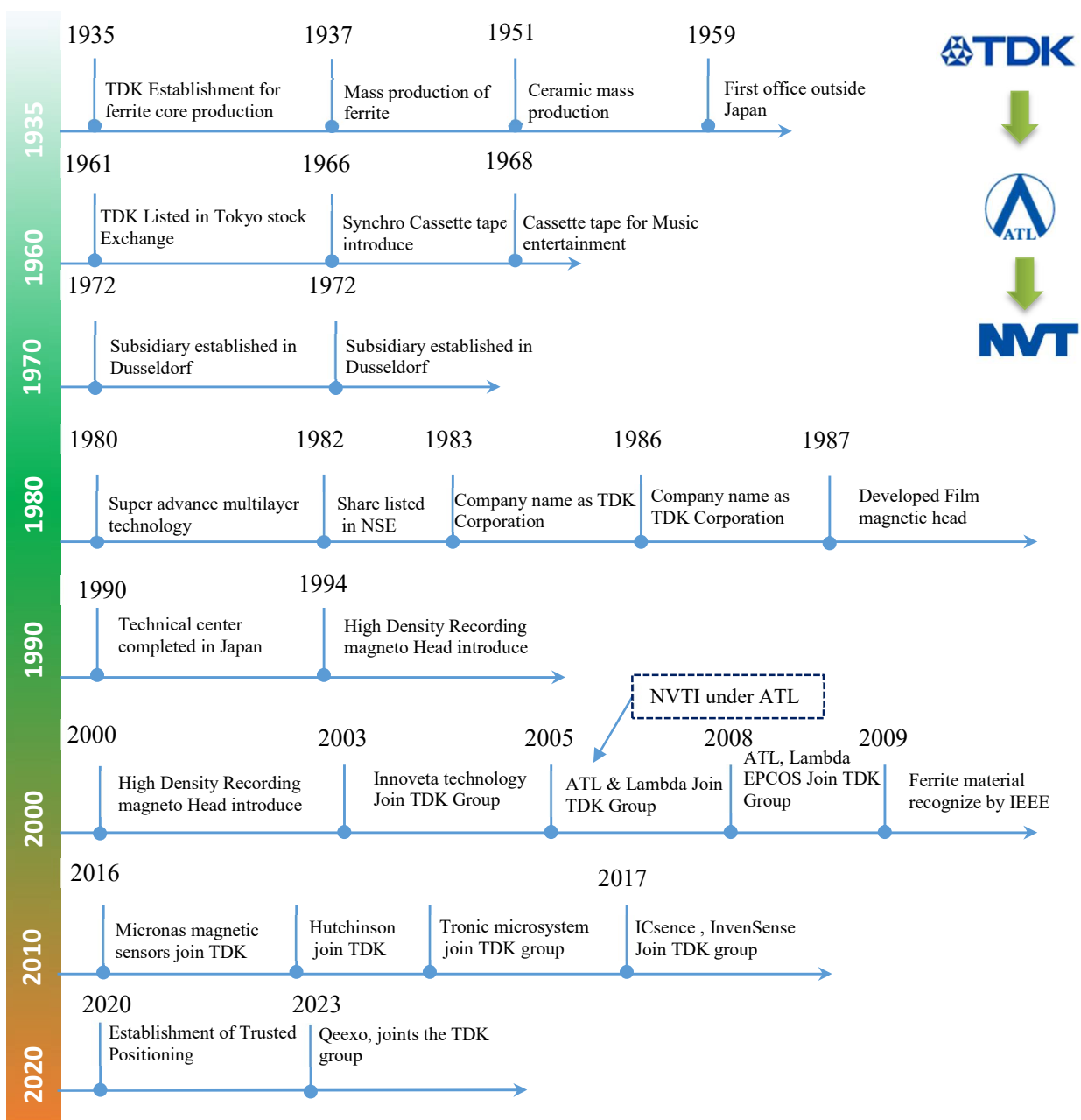


1 About the Company- TDK Group

1.1 Brief History – TDK Group

TDK was Founded in 1935 to commercialize ferrite, a magnetic material. The innovation of TDK’s founder created great value to the world that had not existed before. Today, TDK offers its excellence in manufacturing across a range of product groups include capacitors, inductors transformers, sensors, actuators, magnetic heads, magnets, power supplies, batteries, and many type of electronic components and electronic device. TDK has over 250 sites in more than 30 countries and regions around the world, with about 130,000 employees. Of these, about 90% are site are outside of Japan.

1.2 History of TDK Group (More than 85 year of History)



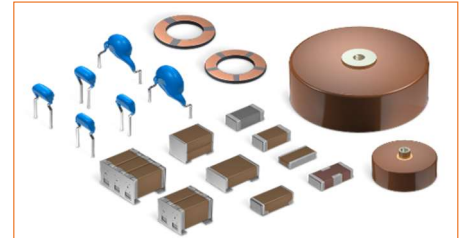
1.3 Area of Business & Products

TDK Group manufacture capacitors, inductors transformers, sensors, actuators, magnetic heads, magnets, power supplies, batteries, and many type of electronic components and electronic device.

Passive Component

Ceramic Capacitors

Used for noise suppression and signal processing in wide range of electronic device indispensable for daily life. More than 3,000 multilayer ceramic chip capacitors, the most commonly used type of ceramic capacitors, can be found in a single automobile, and use is expected to increase even further in the future.



Inductive Device

The lineup includes inductor of different type including wire wound, multilayer, and thin film, as well as transformer and noise countermeasure components. These contribute significantly to fuel economy in cars, higher efficiency in communication systems, as well as higher sensitivity and longer battery life in smartphone.



High frequency Component

TDK supplies high frequency components and modules based on advanced technology such as LTCC, thin film technology ferrite material technology and SESUB technology. Ongoing development of new products in this area contributes to the worlds most advanced mobile device.



Piezoelectric material product Circuit protection device

Piezoelectric material application products such as the small piezo actuators are available for high precision device drives. Other key item in this area are circuit protection devices such as varistors and arrestors. Here are some of the devices shown.



Aluminum Electrolytic Capacitors and Film Capacitors

Aluminum electrolytic capacitors feature high capacitance and come in various type, such as large product for industrial equipment, higher liability axial lead type of automotive application film capacitors have high voltage and low loss feature.



Sensor Application Products

Sensors

The lineup includes temperature sensors, pressure sensors, TMR angle sensors and hall sensors, current sensors and various other sensors that essential for realizing multifunction capability electronic devices, improving the functionality of automotive electronics, and driving progress in factory automation and office automation.



Magnetic Application Products

HDD magnetic head

TDK's high performance heads have continuously supported increase in HDD recording capacity for many years. TDK will continue contributing to even higher recording capacities by new magnetic head technologies that incorporate energy assist recording methods.



Magnets

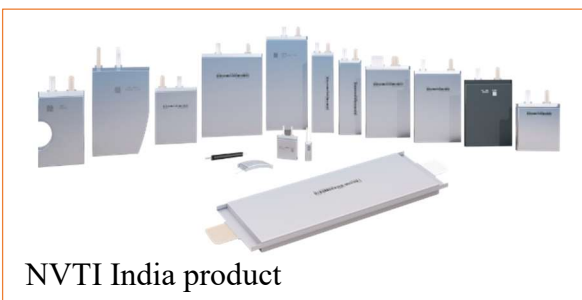
In addition to ferrite magnets and neodymium magnets, TDK also offers heavy rare free magnets. These contribute to energy and resource conservation and higher efficiency in the automotive sector as well as infrastructure and industrial equipment.



Energy Application Products

Energy devices

TDK's contribute to the energy storage in many instances, ranging from low profile lithium ion batteries in tiny device such as smartphone to the massive high capacity lithium ion batteries of solar power generation systems.



NVTI India product

Power supplies

Designed mainly for industrial equipment, lineup includes AC-DC switching power supplies, programmable power supplies, AC-DC converters, and power supplies for charging storage batteries.



Others

Flash memory applied devices

TDK supplies solid state drive and CFast cards and SD memory cards with proprietary memory control chips for industrial use. For example, these can be found in communication base stations and traffic control systems, providing support for the age of Big Data.



Anechoic chambers

Anechoic chambers from TDK have gained an excellence reputation around the world as top level tools for measurement accuracy, efficiency, and reliability. TDK also offers EMC solutions comprising highly accurate EMC measurement service to support effective noise countermeasures.



Factory automation equipment

TDK's expertise in mechatronics gained in the production of outstanding electronic components is available. We provide load ports for various wafer sizes and Flip Chip Bonding Systems as well as a range of other advanced factory automation equipment.



1.4 Global presence of TDK Group

The TDK Group has global network of worldwide leader in electronics. It has more than 250 factories worldwide with R&D and sales offices in more than 30 countries.



2 About the Company- ATL

2.1 Brief History – ATL (A TDK Group Company)



Amperex Technology Limited (ATL) is a famous lithium-ion battery producer and innovator in the world, and a high-tech enterprise responsible for providing high quality rechargeable lithium-ion battery cells, packs and system integration solutions and dedicated to offering advanced technologies, production capacities and high quality services. Working closely with world-renowned branded smartphones, tablets and notebooks OEMs, drones, robots and power tools specialists, VR/AR vanguards and various wearable and smart home technology trailblazers, we are helping the world connect better, last longer, live easier and fly higher. Headquartered in Hong Kong, we operate factories in Dongguan and Ningde, in the People's Republic of China.

2.2 ATL Location



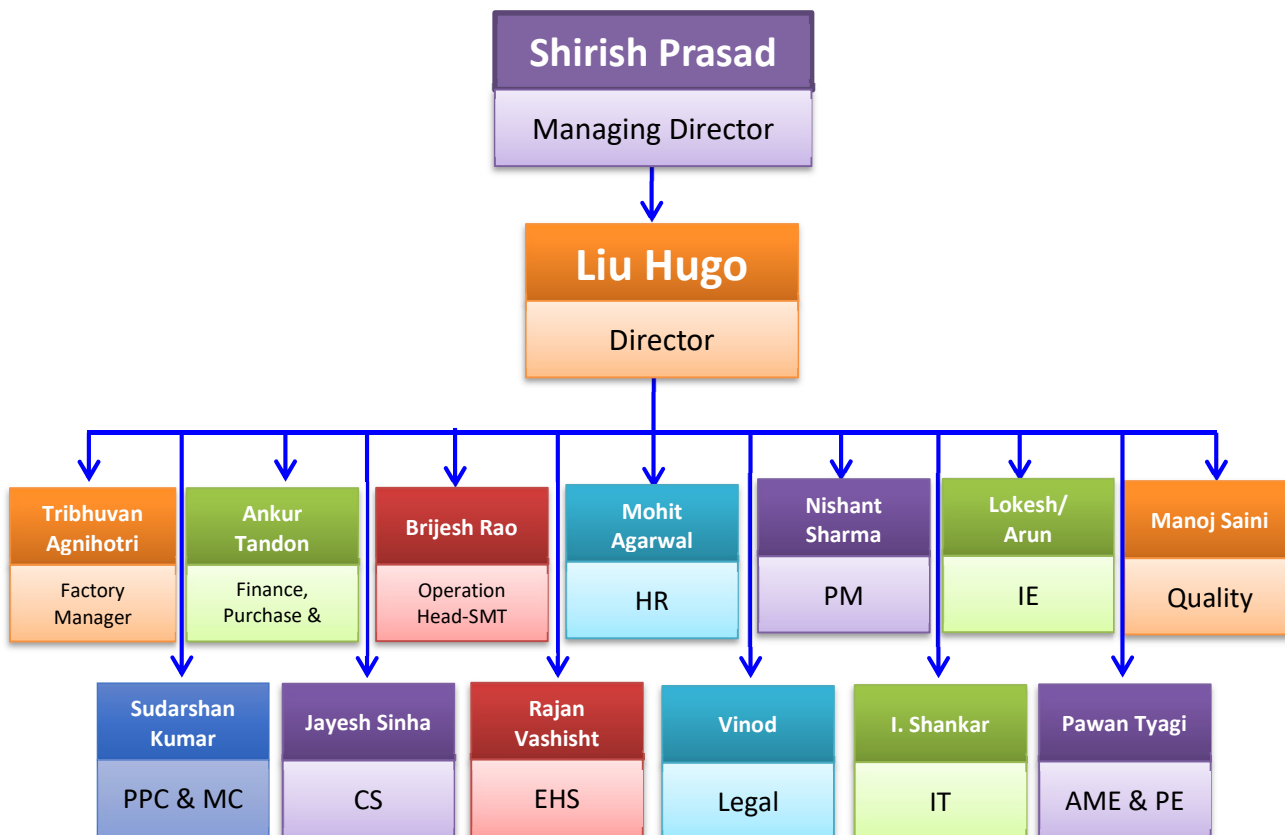
ATL has different plants across countries with one of them in India. NVT India Private Limited is also one of the plant under ATL situated at Bawal in Haryana. The global network of ATL is shown below.

3 Plant Profile- NVTI

Navitasys India, India's leading lithium-ion battery manufacturer, is a part of the Japan-based TDK Corporation, a world-renowned leader in automotive, industrial & energy and information and communication technology. It owns the lion's share of the total smartphone battery market share in India and has four business verticals such as smartphone batteries, power banks, electric vehicle batteries and Printed Circuit Board Assembly (PCBA) manufacturing. We are currently present at Bawal in Haryana, where our flagship plant is located along with a second plant in Manesar near Gurgaon. To expand our physical presence and market share, we are soon coming up with our third and biggest plant at Sohna, near Gurgaon.

3.1 Organization Structure

The organization structure of NVTI is consists of our managing director at top, followed by our director with the department heads of all functions. The organization structure is shown below.



3.2 Product Profile

We may be manufacturing one product, but our product finds very diversified applications. Our core product, lithium-ion batteries, serves the needs of hundreds of clients and billions of customers worldwide. Beyond smartphone and EV battery manufacturing, we also manufacture power banks and printed circuit module (PCM).

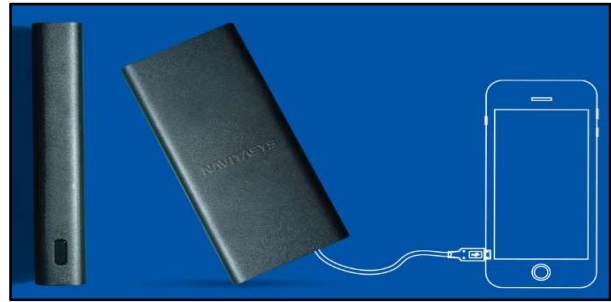
3.2.1 Battery Pack

Our smartphone battery manufacturing plant is one of the best and is operated by highly skilled teams of experts with decades of experience. Our batteries are used by leading smartphone manufacturers across the length and breadth of the nation.



3.2.2 Power bank

We have a state-of-the-art manufacturing plant and process for making best-in-class power bank. Along with the manufacturing, we also design their packaging. Our technologies are advanced and the best in the business to ensure that the final product is always the most reliable and powerful. For power banks, we manufacture both fast-charging and ordinary-charging versions.



3.2.3 EV Batteries

We are committed to provide electric vehicle battery packs for new energy vehicle companies in India and throughout the world via our advanced lithium ion battery integration technology. Manufacturing batteries for electric vehicles also gives us the opportunity to fulfill our promise of playing a vital role in environment preservation.



3.2.4 Printed Circuit Module (PCM)

Using our core strength to the maximum, we are providing PCM solutions for manufacturing the smartphone battery pack. The PCM process yields the highest reliability in the marketplace using state-of-the-art equipment.



4. Milestones on the journey of Manufacturing Excellence

To achieve Manufacturing Excellence, we took drive from our Vision and Mission and released TPM Policy which motivates our commitment towards our goal. TPM Policy encompasses all our regulatory requirements and Quality Management Systems. In today competitive scenario, to achieve business excellence in all spheres, its need to team work & TPM is one of the best Manufacturing Practice followed by most of the world successful companies. TPM journey drives NAVITASYS INDIA towards continuously enhancing turnover, increasing profitability and constantly reducing the production costs by eliminating all losses due to BAD (Breakdowns, Accidents, Defects).

TPM Journey started in 2019 declaration with Manager Model Machine, demonstrated by team of competent and committed managers to the workers.

NAVITASYS INDIA BAWAL Plant Launched TPM Activities 20th Jan 2021 with formal kick off ceremony held in the Presence of Valuable Customers & Top officials of the Organization.

For the Foundation of TPM 5S Implementation, Employee Suggestion scheme, Kaizen, Circle Formation & Circle competition are essence of TPM

Based on the experience gained, NVT India has decided to implement TPM activity company wide and celebrated TPM Kick-off ceremony on 20- Jan- 2021.



Auspicious Lamp lighting at the Hands of our M.D. Mr. Shirish Prasad.



Auspicious Lamp lighting at the Hands of our Customers.



Auspicious Lamp lighting at the hands of Mr. Wess Song (Quality Manager).



Unveiling of the TPM Logo by our MD Mr. Shirish Prasad.

During TPM Kick-off activity, TPM Policy, TPM Logo and TPM Slogan were formally announced to all employees by top management after taking oath on total commitment to TPM activities. TPM Kick-off ceremony is conducted with active participation from our esteemed customers and suppliers.



Unveiling of the TPM Policy by our Factory manager Mr. Tribhuvan Agnihotri.



Unveiling of the TPM Slogan by our Factory manager (Manesar).

TPM Milestone



5. Benefits Achieved

TPM implementation helped us to make sustainable improvements in each and every aspect of our workplace operations. Our team is now excited by the opportunity to make improvements individually and in teams for enhanced business performance. According to the rapid changes in the business scenario, skilled and knowledgeable work forces are required in order to achieve the future challenging Targets. The TPM practices encourage our employees to improve their professional developments with many learnings and growth opportunities. Now, the employees have higher morale, career satisfaction and motivation which help to increase the Productivity Tangible Benefits in term PQCDSM

Intangible Benefits

Employee Involvement and Motivation, some Intangible Benefits

- Enhanced Teamwork approach for continuous improvement activities through TPM.
- Enhanced employee Morale due to focus on Zero Customer Complaints, Zero in process defects, Zero breakdowns and Accident.
- Employees have Sense of Pride so started thinking Widely and Deeply in their areas / section to improve from existing condition to next level.
- Employees are now work as per the Flexibility of requirement and open for any changes.
- Sustenance of Improvements done by the operators.
- Enhanced operator ownership of equipment with understanding on importance of maintaining basic condition i.e. “I Operate, I Maintain, I Control”.
- Repeated failures / defect are not happening due to corrective maintenance & development of Analytical Capability.

Ownership increase



Best Gemba Performer



Best Kaizen Winners



Best Gemba Performer



Awards and Recognitions (Intangible Benefits)

We have secured many rewards and recognitions from government bodies and customers for our continuously improving values as well as quality. We have achieved our milestones in TPM journey by qualifying CII TPM strong commitment award and significant achievement award. We have also participated in different national level competitions and won prestigious awards for representing the improvements done in our plant.



TPM Significant Achievement Award



TPM Strong Commitment Award



CII National Poka-Yoke Competition



Annual Safety Award



Super Challengers Trophy



CII National Poka Yoke Competition



CII National Kaizen Competition



National Environment Award