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**Pipemaking Excellence**



**Hawkeye Pedershaab**  
Concrete Technologies Worldwide™



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The short story ...

### **HawkeyePedershaab from 1915-2018**

HawkeyePedershaab is the world's leading supplier of machines for concrete products.

The company holds a leading global market position and export its products to well over 90 countries around the world.

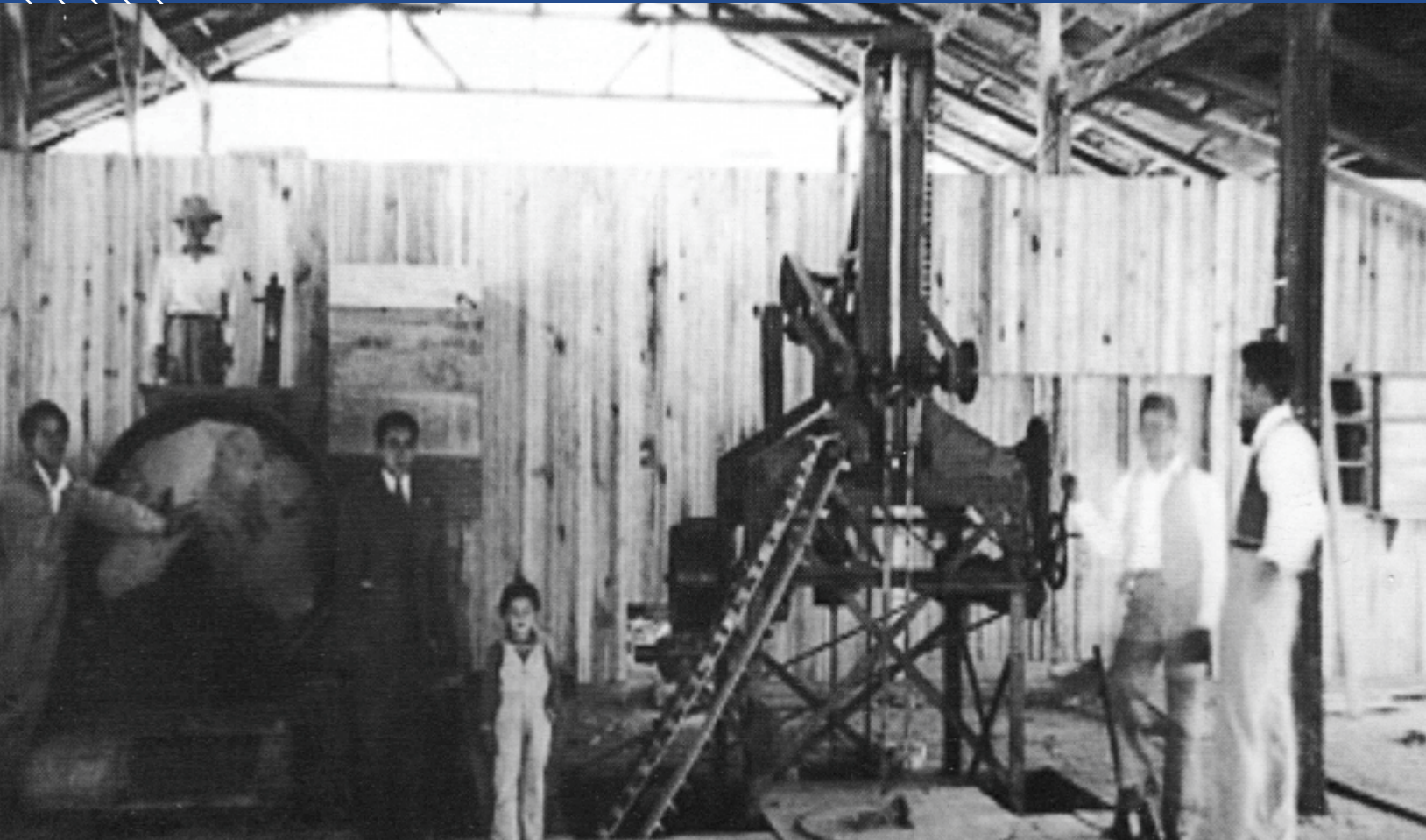
Hawkeye was found in 1949 by Hank Schmidgall to manufacture concrete pipes and blocks. The factory was located in Morning Sun, IA. Hank Schmidgall had previously worked at his father's pipe factory in Hancock, MN along with eight other siblings. In 1959 Hawkeye moved to Mediapolis, IA.

The history of Pedershaab dates back to 1877 when Blacksmith Peder Nielsen started his first company in the Northern part of Denmark. Years later, in 1915 all activities regarding the production of concrete machines were consolidated in a separate company under the name of A/S Pedershaab Cementindustri Maskinfabrik.

In 2008 Hawkeye and Pedershaab merged and joined forces under the name HawkeyePedershaab. The company has headquarters in Mediapolis, Iowa, USA and Brønderslev, Denmark.

In 2012 HawkeyePedershaab did JV with India's fastest growing concrete equipment maker Apollo Infratech Pvt. Ltd., Gujarat and formed a JV company Apollo HawkeyePedershaab Concrete Technologies Pvt. Ltd. (India).

In 2018 HawkeyePedershaab announced the formation of Afinitas, a new parent company, which also acquired BFS Betonfertigteilesysteme GmbH, based in Blaubeuren, Germany and New Hampton Metal Fabrication Corp., New Hampton, Iowa. The company has vision of creating a global, comprehensive, customer-oriented infrastructure equipment and service platform.





## India's Fastest Growing Concrete Equipment Manufacturer



### Apollo Infratech Group



Apollo Infratech Pvt. Ltd. (AIPL) One of India's largest manufacturers of high quality concrete construction equipment – such as Concrete Batching Plants, Drymix Mortar Plants, Fixed Form Concrete Pavers, Concrete Equipment related spares - provides Indian infrastructure companies international standards and global technological breakthroughs in construction industry.



Apollo Hawkeye Pedershaab Concrete Technologies Pvt Ltd (AHCT) was formed in 2012 between Apollo and world renowned HawkeyePedershaab, USA to manufacture and sell machines to produce concrete pipes, manhole systems and box culverts with vertical cast vibration technology.



Apollo Carmix Equipments Pvt Ltd (ACEPL) was formed in 2013 between Apollo and Carmix, Italy - a pioneer in the field - to manufacture and sell self-loading mobile concrete mixers in India to produce high-quality and cost-effective concrete at any job site.



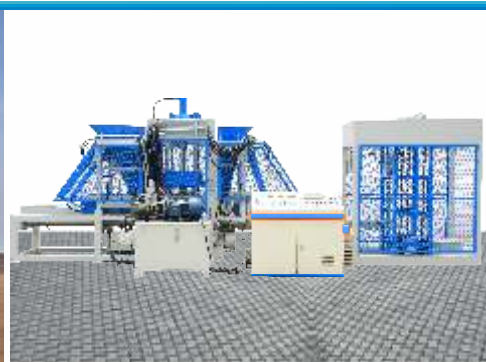
Apollo Zenith Concrete Technologies Pvt Ltd (AZCT) was formed in 2018 between Apollo and Zenith - a world renowned group manufacturing Block making machines from Germany. These block making machines can produce Hollow Blocks, Solid Blocks, Colored Pavers, Fly ash bricks, Grass bricks and Kerb stones.



Aptec Equipment Pvt. Ltd. is a road equipment manufacturing division of larger Apollo Infratech Group. Producing Drum Mix Plant, Wet Mix Macadam Plant, Mechanical Paver, Sensor Paver, Curb Paver, Bitumen Sprayer, Hydraulic Broomer of utmost excellence.



Parker Plant India Pvt Ltd (PPIPL) was formed in 2021 between Apollo and Parker Plant Pvt Ltd of UK - a world renowned group manufacturing Asphalt Batch Plants and related equipments since 1911. This JV Company manufactures various Parker equipment starting with Asphalt Batchmix Plants of all capacities in a newly created state-of-the-art manufacturing facility spread across 11 acres near Mehsana, Gujarat.



## Solutions To Make World Class Concrete Pipes, Manholes, Box Culverts & U-Drains



### Apollo HawkeyePedershaab Concrete Technologies Pvt. Ltd (AHCT)

Sensing the need of technological advancement and cost effective solutions in the infrastructure industry of India, Apollo Infratech did a Joint Venture with HawkeyePedershaab - USA in the name of Apollo HawkeyePedershaab Concrete Technologies Pvt. Ltd (AHCT) to offer wide spectrum of machines for manufacturing Concrete Pipes, Lined Pipes, Jacking Pipes, Manhole Systems, Box culverts and allied products to the Indian customers using vertical cast vibration technology.

HawkeyePedershaab's primary brands include Hawkeye Group (founded in 1949) and Pedershaab Concrete Technologies (founded in 1877). HawkeyePedershaab - USA is the leading global manufacturer of capital equipment for the production of concrete pipes and manholes. With operations in Mediapolis, Iowa and Brønderslev, Denmark, Hawkeye offers a full range of customer solutions for manufacturers of concrete pipes, manholes and other precast products ranging from stand-alone production machines to fully automated plants incorporating the latest robotics and control technology.

In India, the joint venture AHCT has a manufacturing facility located strategically in the growth hub of India - Gujarat. It has an in-house design department equipped with the latest 3D modeling software to design the machines and moulds as per IS 458:2021 Standards. With the state-of-the-art facility, equipment, specialized tools & proprietary fixtures, the company manufactures products as per national and international standards.

Adhering to the quality policy of the company, stringent quality control measures are taken at every stage of manufacturing. Supervision, technical assistance and expert guidance are provided by the HawkeyePedershaab engineers as and when needed.

At AHCT our goal is simple – to create innovative and appropriate technology for the manufacturers to produce world-class quality concrete products.





## SmartSet Curing Systems



In many markets, a key to the production of the highest-quality concrete products is to ensure the products being produced are able to cure in a heat and humidity controlled environment.

That's why we developed our SmartSet Curing Systems to ensure the proper hydration of the cement and result in the strongest concrete possible.

### **Our SmartSet Systems include:**

- Advanced and basic model direct-fired steam generators
- Kiln control systems
- Air circulation and exhaust systems
- Installation and turnkey services
- Misting and dry burners
- Piping and equipment installation
- Kilns
- Moving floors
- Retrofits and upgrades
- Troubleshooting and preventative maintenance
- Vast parts inventory
- Dedicated technical team and service van



# SmartSet Curing Systems

## Reliable Operation

Operators or automatic controls are continuously changing which valves are open and shut to curing areas to meet production requirements. This changes the load needed for the curing system. SmartSet™ adjusts the firing rate for the curing load automatically to cure your product efficiently and maintain proper temperature control. It automatically adjusts the burner to compensate for upstream changes in water pressure changes.

## Automated Temperature Control

The accurate control of SmartSet's outlet temperature is critical to curing a wide variety of concrete products. A very small change in the water flow results in a large change in outlet temperature. Our system automatically anticipates thermocouple reaction time during outlet temperature changes. SmartSet™ also automatically compensates for any changes in upstream water pressures or water delivery.

\* Ensures accurate viable control over the quality of the cure steam

\* Avoids head losses caused by excess water common in low output-temperature curing systems

## Combustion-Engineered Burner

The heart of the combustion system is the precision burner assembly. The burner is engineered to provide positive flame propagation and flame retention under a wide variety of gas/air ratios and line pressures. Because of this, SmartSet™ starts and burns consistently under varying operating pressures.

## Large Combustion Chamber

The chamber provides the three "T's" of proper combustion: TIME, TEMPERATURE and TURBULENCE:

\* Large enough to provide the TIME to ensure completion of combustion prior to the introduction of water.

\* Lined with refractory, this assures flame TEMPERATURE for proper combustion.

Produces the desired TURBULENCE for a clean burn.

## Auto-Controlled Water Inlet Chamber

Water is introduced in a separate chamber down-stream from the combustion chamber. This eliminates any possibility of water coming into contact with the flame which could cause incomplete combustion and produce dangerous carbon monoxide. The variable, automatically controlled, water supply allows the operator to select and change steam temperature (180° F to 600° F) and humidity (wet fog to dry vapor) to match any curing job with complete reliability.

Block



Prestressed



Precast



Pipe



## Quality

Due to the tireless efforts and customer-oriented policies, Apollo Infratech Group (AIG) enjoys a special status amongst its buyers. Right from the machine manufacturing process to its proper and timely dispatch, AIG personnel are on their toes to make the entire procedure fast yet flawless. But the group's responsibility does not end here. AIG ensures best quality human resource, the group conducts regular product training and updation program. Apart from in house design studio and world class product training facilities, Apollo also implement KAIZEN and 5S to improve working practices and personal efficiency as standard practice.

### Certificates

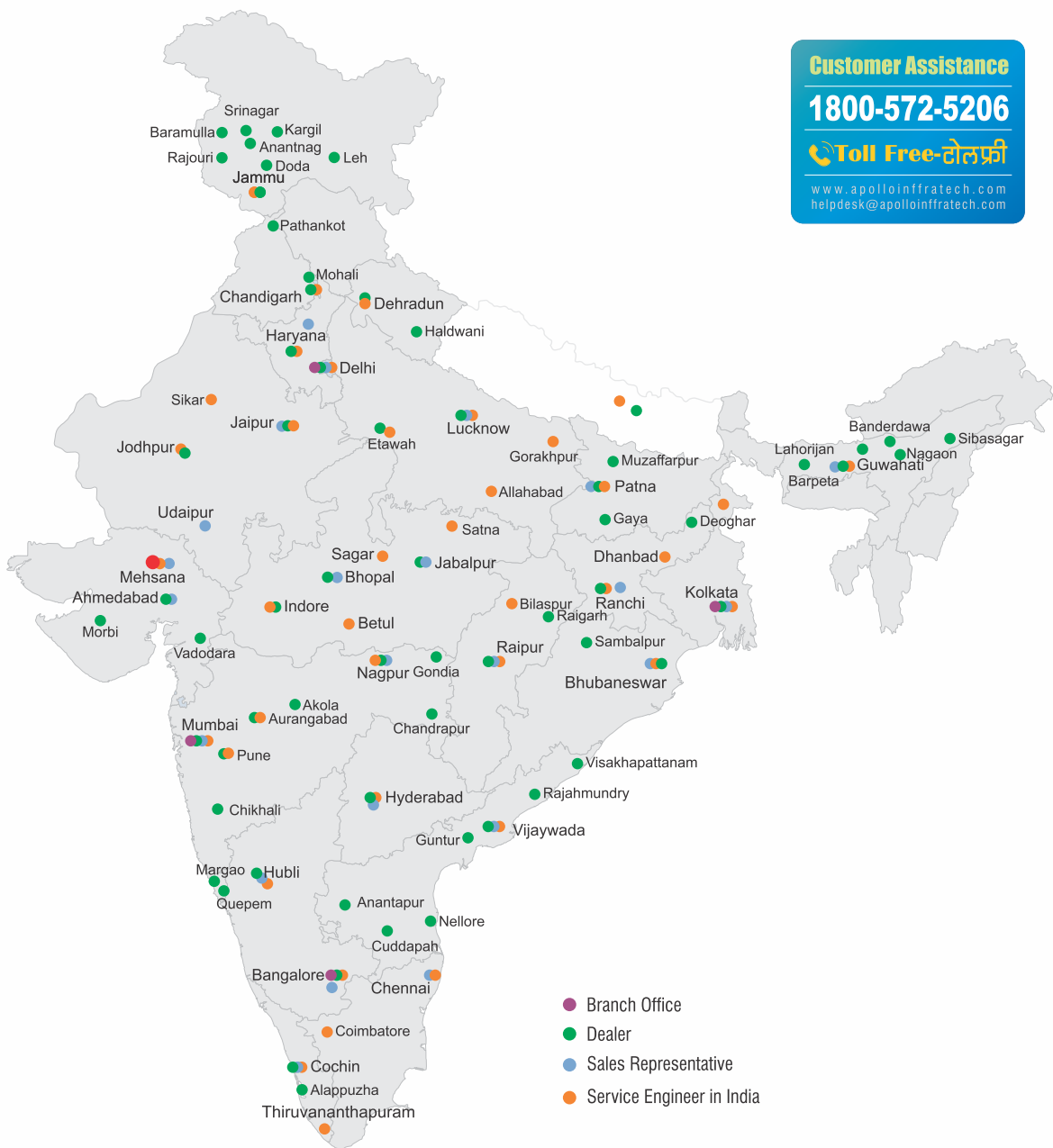




# Sales & Service Network

At Apollo HawkeyePedershaab , we make sure that our customers get quality spare parts and outstanding after sales service through our widespread service network. Apart from our regular services such as installation & commissioning, the group conducts continuous training programs at its world class training facility for its fleet of highly proficient service engineers to provide impeccable after-sale service. Apollo HawkeyePedershaab makes sure the customers' operators go through basic training to handle the equipment safely and look after the elementary trouble shooting.

The group also offers Annual Maintenance Contract (AMC) to safeguard the customers from incurring unexpected expenditure in the event of a breakdown. The AMC takes care of preventive maintenance and parts replacement. It also ensures trouble-free operations and longer life cycles. We have an effective spare part management and forecasting system in-place whereby procurement and warehousing is done.





## Achieving Accolades

We at Apollo Infratech Group believe that if endeavors are pure and honest, you never need to chase rewards and recognitions as they become part and parcel of your journey. While the group has been held in high esteem and extreme trust by its countless satisfied customers, the trust has been manifested by the numerous awards group has won.

- 1) **Outstanding Company in Concrete Equipment**  
EPC WORLD Awards 2012
- 2) **National Achievements Award For Construction & Design**  
Indian Economic Development & Research Association, New Delhi
- 3) **Best LEAN Initiative Award 2011**
- 4) **Visionary Award 2011**  
Vision Foundation
- 5) **Best Company in Construction Equipment 2016**  
CIA World
- 6) **India's Greatest Brand & Leader award for 2017-18**  
Asia One
- 7) **Gujarat Most Promising Brand Award, 2019**
- 8) **Marketing Meister of the year and Prestigious Brands of Asia 2021 Awards** at Global Business Symposium by Herald Global
- 9) **Young Entrepreneur Award by Indian Achievers' Award 2021**
- 10) **National Achievement Award for Construction & Design** Indian Economic Development & Research Association, New Delhi





Make  
**Concrete Pipes, Manholes,  
U-Drains & Box Culverts**  
with our world class concrete machinery





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