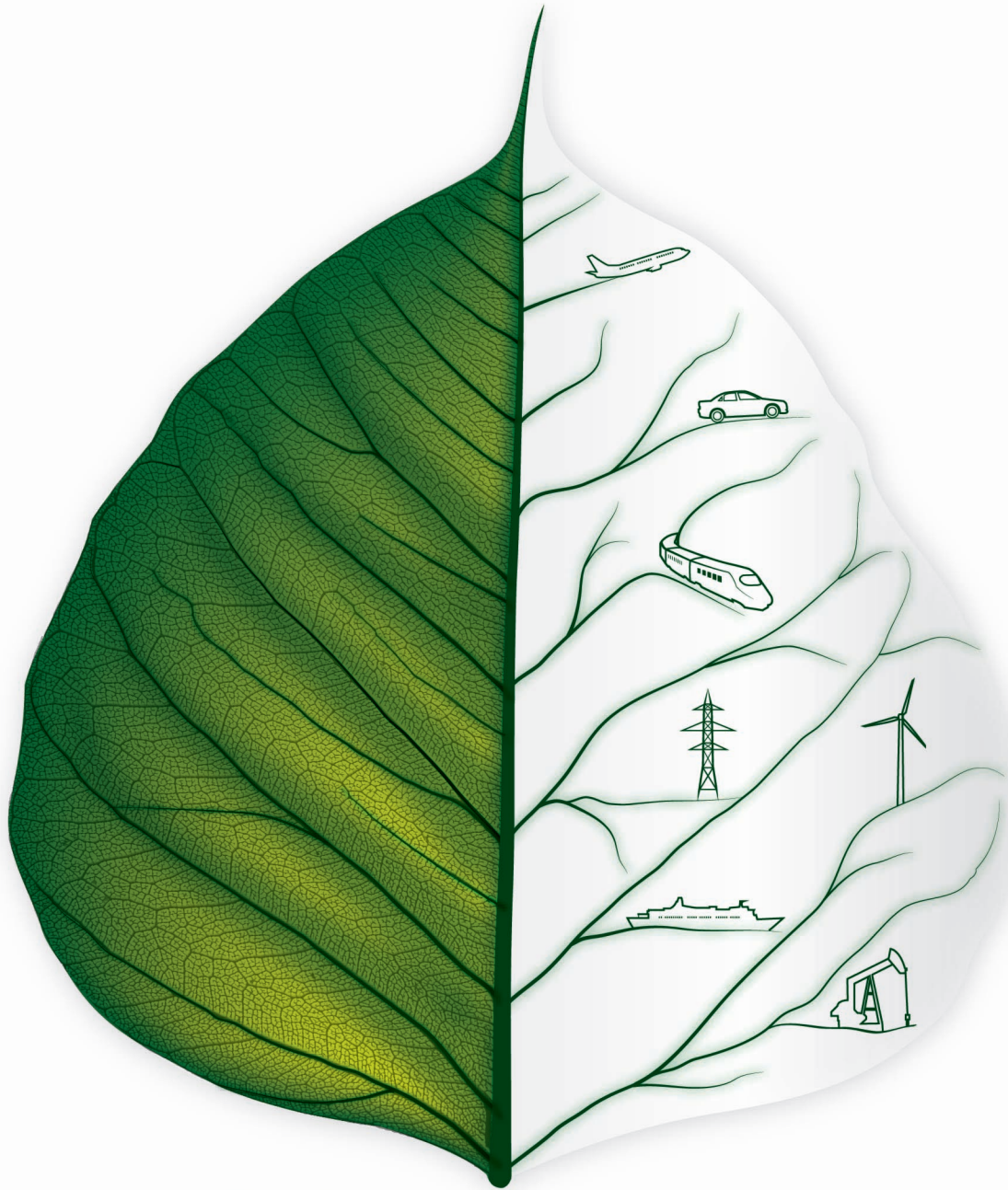


BHARAT FORGE



*innovation at the heart*  
*50<sup>th</sup> annual report 2010.11*





# SECTORS

AUTOMOTIVE

POWER

OIL & GAS

RAILWAYS

MARINE

RENEWABLE ENERGY

AEROSPACE

CONSTRUCTION AND MINING



# innovation at the heart

DATING BACK TO THE YEAR 288 BC, THE “PEEPAL TREE”, POPULARLY CALLED THE ‘SACRED FIG’, IS A SYMBOL OF ENLIGHTENMENT, KNOWLEDGE AND GROWTH.

UNDER THIS TREE WAS WHERE GAUTAM BUDDHA ATTAINED ENLIGHTENMENT, ATTACHING TO IT A METAPHOR FOR HAPPINESS, PROSPERITY, LONGEVITY AND GOOD LUCK.

ON THE 50<sup>TH</sup> YEAR OF BHARAT FORGE’S ANNUAL REPORT, WE CELEBRATE THIS INHERENT QUEST FOR KNOWLEDGE THAT HAS DRIVEN US ON THE PATH LEADING TO INNOVATION.

THE PEEPAL LEAF IS A REFLECTION OF OUR DIVERSIFICATION INTO VARIOUS SECTORS, REACHING OUT TO WORLD MARKETS AND DOING SO WITHOUT FORGETTING OUR RESPONSIBILITY TOWARDS A SUSTAINABLE FUTURE.

ONE HALF OF THE LEAF IS GREEN REPRESENTING OUR STRONG EMPHASIS ON GROWTH IN A NATURAL AND SYMBIOTIC MANNER, WHILE THE OTHER HALF IS WHITE, DEPICTING CLARITY OF LONG TERM VISION AND GROWTH, IN AN EVOLVED AND METHODOLOGICAL PROCESS DRIVEN MANNER FOR CONTINUOUS INNOVATION IN VARIOUS DOMAINS.

THE COMPANY HAS PUT IN PLACE A PROCESS TO FACILITATE & ENCOURAGE ENGINEERS TO BRING ABOUT INNOVATIVE IDEAS. IN 2011, THE COMPANY INITIATED SEVERAL NEW IDEAS, FEW OF WHICH WILL BE PATENTED.

WITH INNOVATION AT OUR HEART, WE CONTINUE OUR ENDEAVOR OF RISING THROUGH DIVERSIFICATION & MANUFACTURING HIGH QUALITY PRODUCTS THAT DRIVE CHANGE AND SUSTAINABILITY. WE ARE COMMITTED TO OUR PROMISE OF PUSHING FORWARD AND STRIVING TOWARDS GREATER HEIGHTS WITH EACH PASSING YEAR.

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## START UP & EARLY GROWTH 1961-1985



Incorporation of Bharat Forge Ltd.

1961



Commercial Production begins. Forge Shop - Hammer Technology.

1966



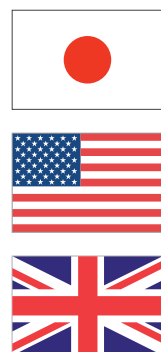
Exports into erstwhile USSR by winning a large contract for under carriage components.

1985

## DOMESTIC GROWTH 1990-2001

**Technology Upgradation.**  
Investment in state-of-the-art forging technology. Commissioning of 16000 MT press line.

1990  
Jd80



Major break through into Japan, USA and UK for critical supply of engine & chassis components.

1991  
Jd81



Commissioning of second 16000 MT press line.

First M&A - Acquired order book of Dana Kirkstall.

2001  
Jd81



# BUILDING A GLOBAL COMPANY

## ACQUISITIONS ACROSS THE GLOBE

### FOCUS ON EXPORTS 2002 – 2005

Investment of \$ 80 million in Research & Development, Testing & Validation and state-of-the-art Heavy Duty Truck Crankshaft Machining facilities

**2002**  
2005



Established Global Manufacturing Footprint across Europe, North America & China through following acquisitions / JV.

CDP Bharat Forge

Bharat Forge  
Aluminiumtechnik

Bharat Forge America

Bharat Forge Kilsta

FAW Bharat Forge

**2003-05**  
2003-02



Investment of \$ 100 million to set-up dedicated state-of-the-art forging & machining facilities for non-auto.

**2006**  
2009



Centre for Advanced Manufacturing takes shape in Baramati.

**2007**  
2003





# GLOBAL LEADERSHIP

## FOCUS ON TECHNOLOGY & INNOVATION

### FOCUS ON NON-AUTO 2006-2010



#### US \$ 1 BILLION TARGET ACHIEVED



Bharat Forge signed an MOU with NTPC

Bharat Forge commissioned India's Largest Commercial Open Forging Press



Alstom and Bharat Forge form a JV in India to manufacture state-of-the-art super critical power plant equipment.

**2008**  
2008



Inauguration of Heavy Duty Crankshaft Forging & Machining Facility at Baramati.

Ground Breaking & Foundation Stone Laying Ceremony of the Alstom Bharat Forge JV manufacturing facility at Mundra.

**2009**  
2009



Inauguration of the Ring Rolling facility at Baramati.

Ground Breaking & Foundation Stone Laying Ceremony of the Bharat Forge - NTPC Energy Systems Ltd. manufacturing facility at Solapur.

Establishment of Kalyani Centre for Technology & Innovation

**2010**  
2010



₹ IN MILLION

