



STAMFORD® & AvK® HERITAGE



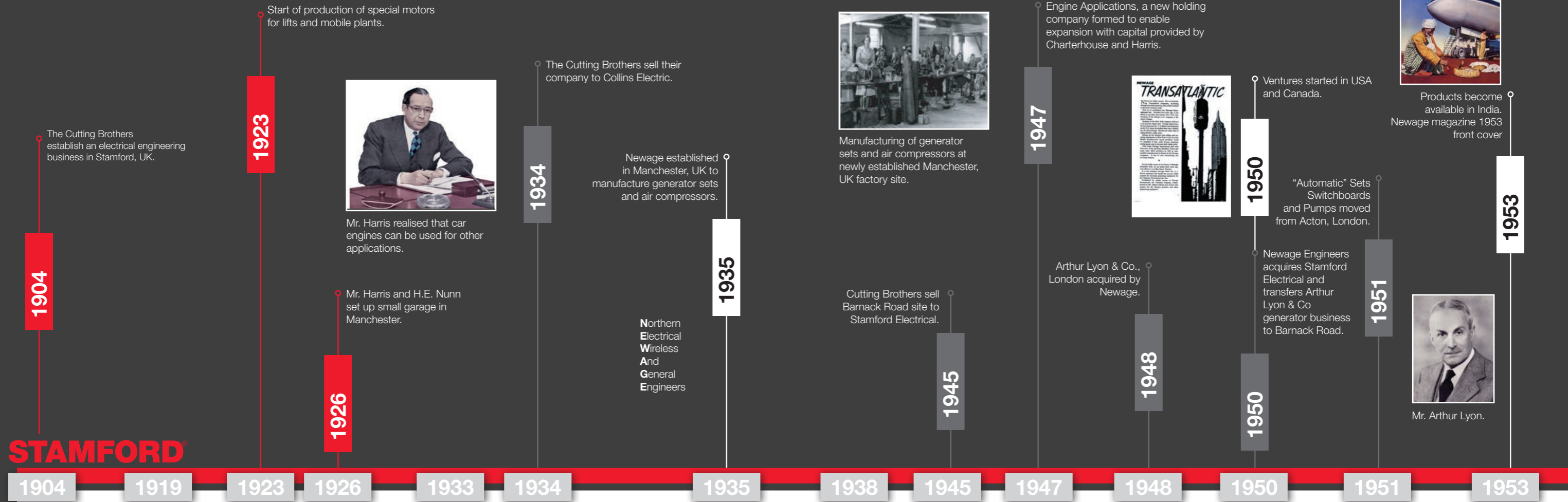
From powering our history,
to reliable power of the future

STAMFORD | AvK™

POWERING TOMORROW, TOGETHER

The Early Years

The 1940s - Early 50s



1904 The Cutting Brothers establish an electrical engineering business in Stamford, UK.

1923

Start of production of special motors for lifts and mobile plants.



Mr. Harris realised that car engines can be used for other applications.

1926 Mr. Harris and H.E. Nunn set up small garage in Manchester.

1934

The Cutting Brothers sell their company to Collins Electric.

Newage established in Manchester, UK to manufacture generator sets and air compressors.

1935

Northern Electrical Wireless And General Engineers



Manufacturing of generator sets and air compressors at newly established Manchester, UK factory site.

1945

Cutting Brothers sell Barnack Road site to Stamford Electrical.

1947

Engine Applications, a new holding company formed to enable expansion with capital provided by Charterhouse and Harris.



1950

Ventures started in USA and Canada.

"Automatic" Sets Switchboards and Pumps moved from Acton, London.

1950

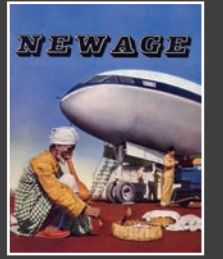
Newage Engineers acquires Stamford Electrical and transfers Arthur Lyon & Co generator business to Barnack Road.

1951



Mr. Arthur Lyon.

1953



Products become available in India. Newage magazine 1953 front cover

STAMFORD

AvK

1919

Foundation of AvK as trading enterprise for electrical machines in Frankfurt.



Arthur van Kaick

1933

Foundation of a one-man company by Emil Rona at Donaustasse 5, Ingolstadt.



Repair shop delivery truck

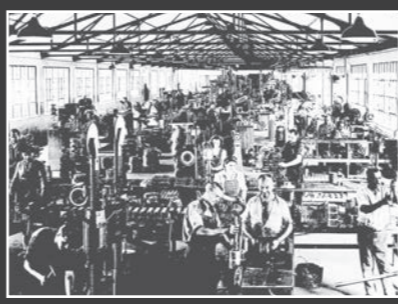


AvK repair shop developed for a variety of electrical machines and transformers.

1938



AvK announces world's first self-regulated alternator.

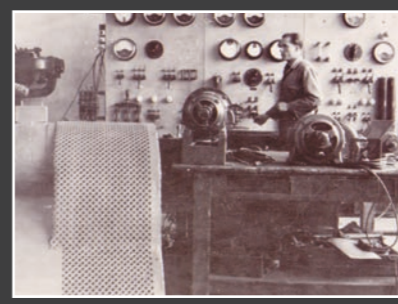


Production in World War II.

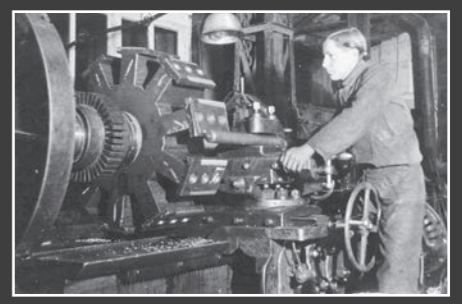
1950



First D2N alternator.



AvK's first test bed.



Apprenticeship scheme at AvK.

Key

Products and Factories

Mergers and Acquisitions

Major Events

The 1950s

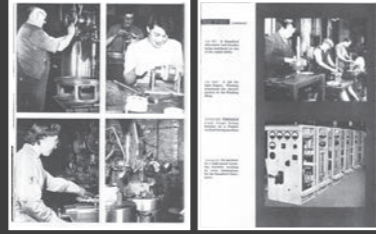
The 1960s



A look at 'Park Works', Stamford, UK.



1954



The 'L' range used in an Austin van, coupled to a Dale Electric set.



Companies owned by the Newage Group.

1954

Apprentice scheme launched.



1954



Stamford Motors advert.

First rotating field alternator produced 'L' range LB26.



1958

Alternator production at 30/40 per week.

1959



Newage Engineers flatbed Ford lorry.

Introduction of C range, first volume produced brushless alternator.



1966



Arthur Lyon Ltd and Newage (Manchester) Ltd. consolidated all alternator production at the Barnack Road site. Company renamed Newage Lyon Ltd.

'Project 65' saw the integration of Newage Manchester with Stamford renaming the company Newage Engineers Ltd.

Newage Group acquired by Charterhouse Bank.

1964



Shop floor testing area in Stamford.

1965

1966

Tempest Diesels set-up at Foundry Road, later named 'Newage Marine'.

1968

Acquisition of Propulsion Ltd. Marine Power.

1969

1950



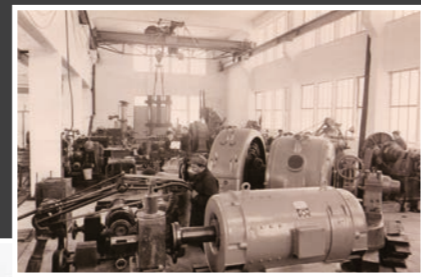
First self-regulating alternator tested and produced.



1953



Emil Rona sells the Ingolstadt factory to van Kaick.



Ingolstadt, Germany.

1960



AvK sales brochure.

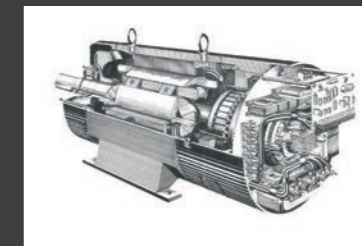
1965



AvK introduces new brushless alternator range.

1968

DIB alternator.



1969

Foundation of SEG Kempen control systems, control units.

Key

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The 1970s

STAMFORD Alternator Applications.



STAMFORD 'AC' Product Range.



Diesel Train, Toronto, Canada Lighthouse, Quebec, Canada
Specially wound components for Metro, Newcastle, UK Power and lighting for a British ferry
Refrigeration truck, USA Powering a Danish freighter



Produce world's first alternator to utilise a PMG for AVR excitation.

Alternator sales rise to £2 million worldwide.

Alcon Pumps are sold to La Bour.



Managing Director Mr. Arun Bose presents awards to apprentices.

Newage subsidiary companies completely established in USA, Canada, Italy, France, Norway, Australia, Spain, Germany and Singapore.

Last slip ring machines produced.

QUEEN'S AWARD FOR NEWAGE IS A BIG STIMULUS FOR EXPORT EFFORT



Lord Lieutenant of the county of Lincolnshire and the Mayor of Stamford presenting 'The Queen's Award for Export Achievement'.

How Stamford became a world centre of power



The 1980s

HC range of alternators introduced.



Introduction of UC range of alternators.



1985

1988

Cooper Industries acquires McGraw Edison, majority shareholder of Onan Corporation.



Newage Engineers changes its name to Newage International Ltd.

1985

1986

Newage acquires Markon.



1987

1988

Cummins Engine Company Inc. acquires Cooper Industries shares in Onan Corporation and thus becomes majority owner of Newage.



Onan Corporation acquires alternator business of Newage Engineers Ltd.

1984

1985

1986

1987

1988

1971

1972

1973

1974

1977

1979

1980

1984

1985

1986

1987

1988



Erzhausen



Neu-Isenburg



Ettlingen



Ingolstadt



Kempen

1971

AvK German and International customers.



1977



New DKB alternator range Type DKB 32.

1974



New DIDB alternator range Type DIDB49.

1980



AvK alternator placed in the Prince Riyadh Palace.



1984

New COSIMAT AVR.



1985

SEG acquires AvK and consolidates in AvK SEG holding GmbH & Co. KG.



1985

Acquisition and development of Coil Systems GmbH.

1988

New innovative DYBAT energy storage system.

Key

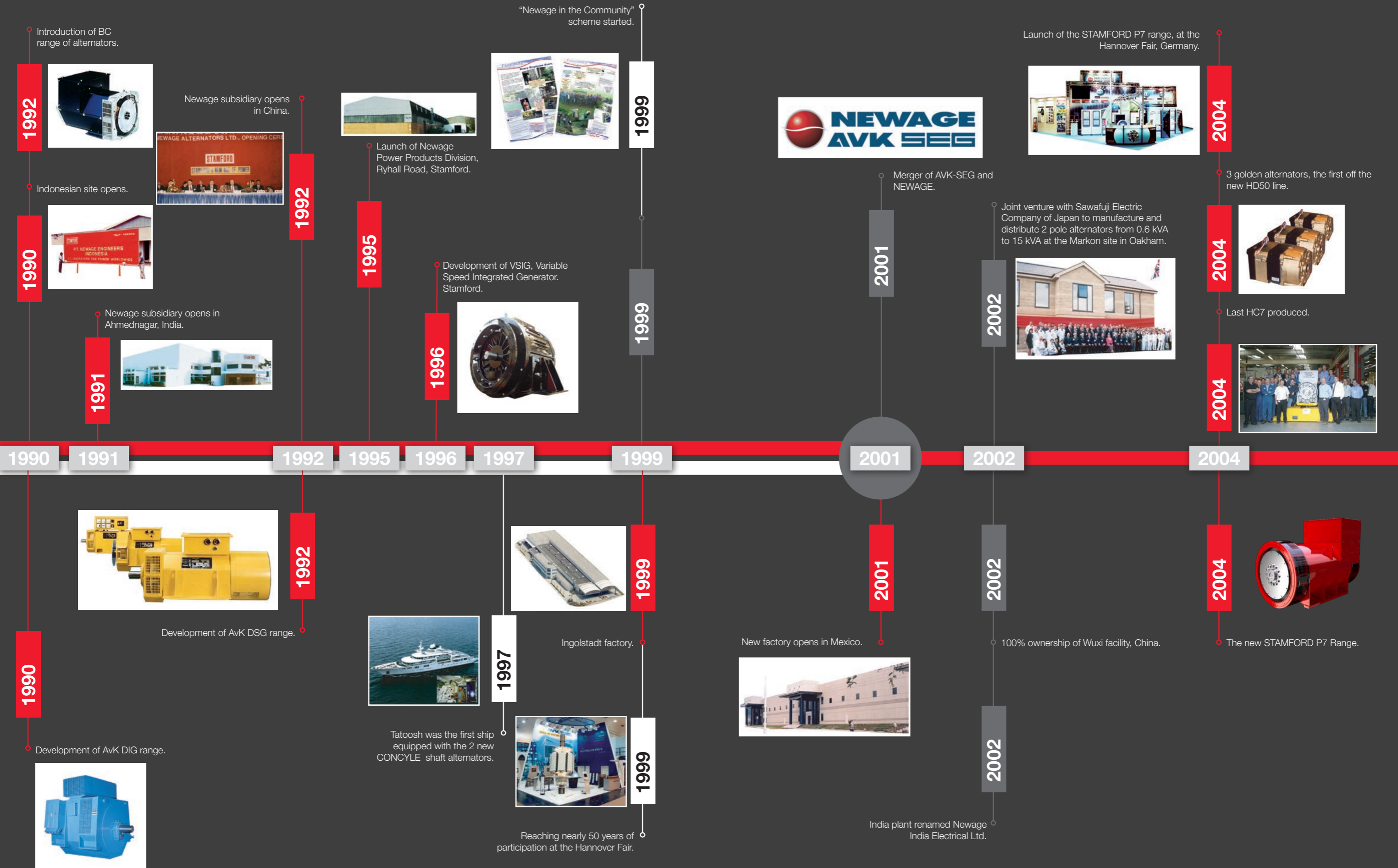
Products and Factories

Mergers and Acquisitions

Major Events

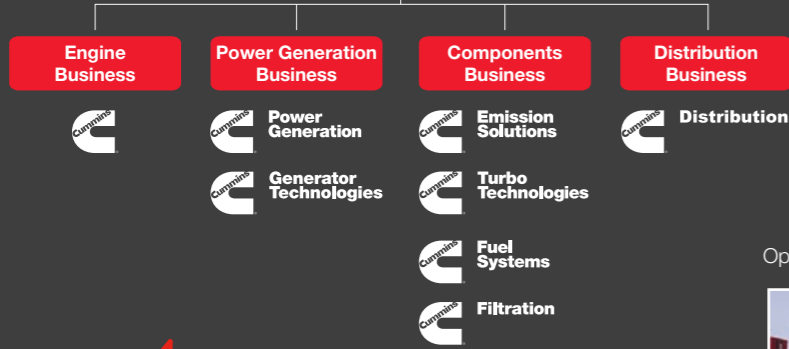
The 1990s

A New Millennium, the Merger of NEWAGE and AVK



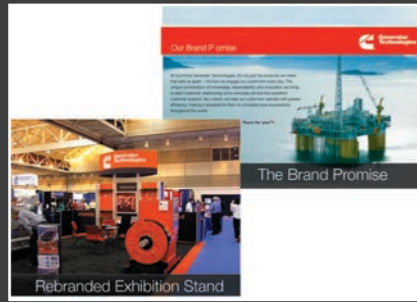
The 2000s

The 2010s



2005

1 millionth alternator made (October).



2007

Record Production Year: 190,000 units made worldwide.



2008

Opening of Cummins factory at Ranjangaon, India.

2010

Opening of 2nd China manufacturing plant.



Development of Cummins Motor Generator with CorePlus™ Technology.



2012

Cummins Innovation Centre opens at the University of Nottingham.



Change is complete

A TRANSFORMATION was completed at Stamford's biggest employer when a new sign was unveiled to mark Cummins Generator Technologies, formerly known as Newage, revealed the sign bearing its new name at a ceremony attended by Stamford deputy mayor Jon Pozanski and managing director Kanth Padmanabhan. Former managing director Arun Bose also attended the event at the firm's Barnack Road plant, where he spoke about the history of the company and the role it plays in the community. Cummins Generator Technology has more than 2,500 employees operating in 27 manufacturing, distribution facilities and engineering centres, with operational plants in the UK, Germany, Mexico, Romania, India and China.

2006



Company renamed Cummins Generator Technologies Ltd.

2006

SEG sold to Woodward Group.

2007

Development of STAMFORD P0/P1 range.



2011

Manufactured and sold 2 millionth STAMFORD alternator.



2011

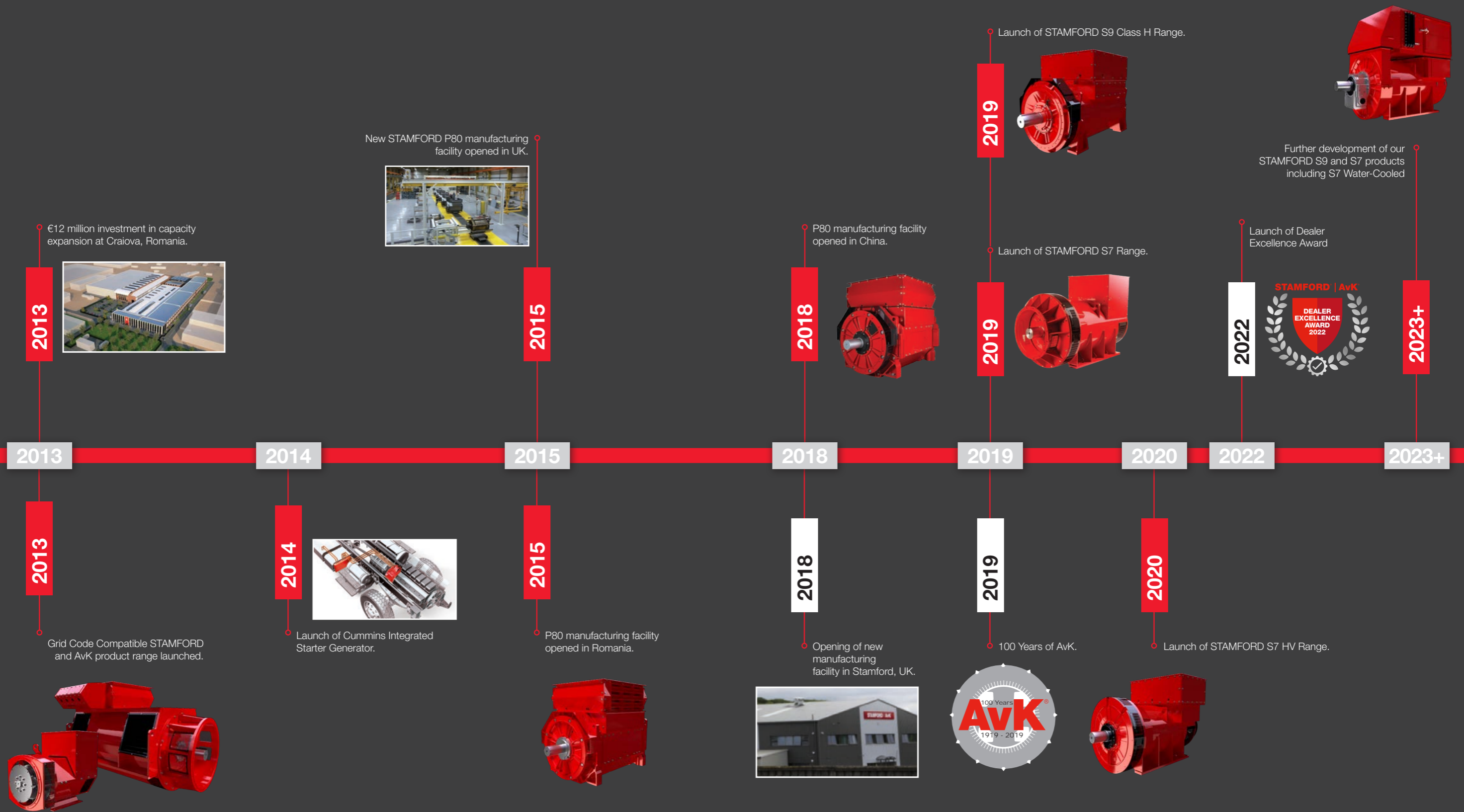


Anti-counterfeit programme launched.



The 2010s continued

The 2020s



Key

■ Products and Factories

■ Mergers and Acquisitions

■ Major Events

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www.stamford-avk.com



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