

Delivering value from intellectual property

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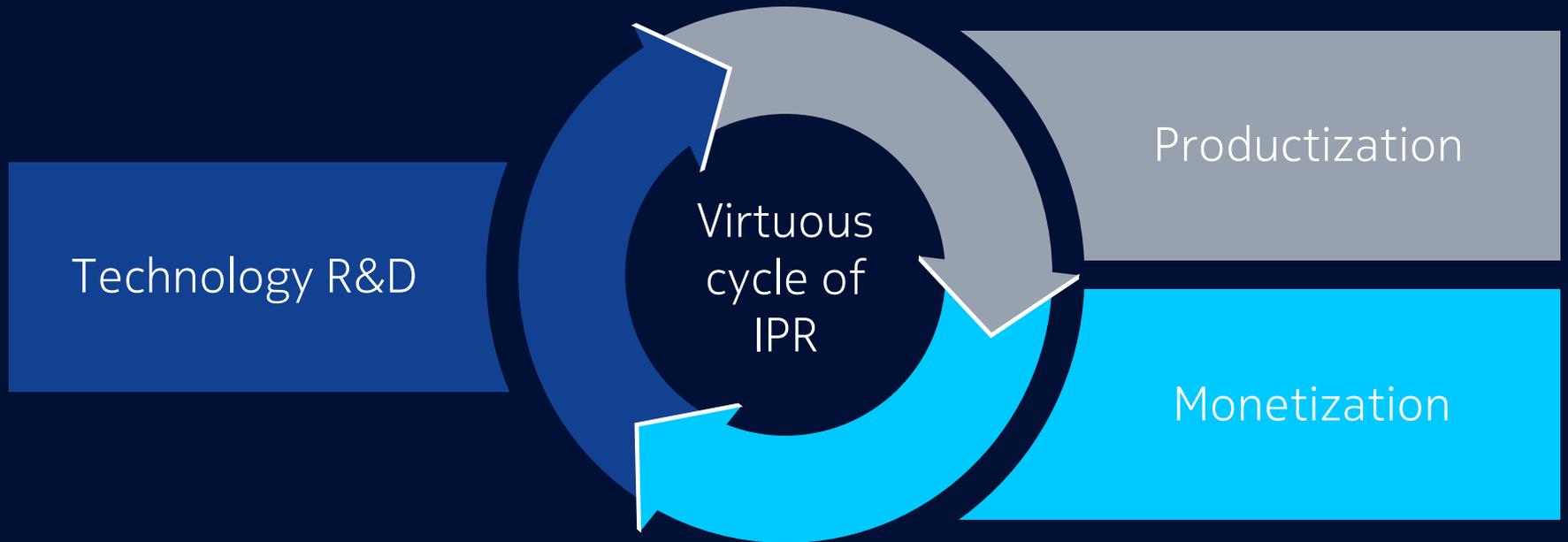
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Nokia presents financial information on reported, comparable and constant currency basis. Comparable measures presented in this document exclude intangible asset amortization and other purchase price fair value adjustments, goodwill impairments, restructuring related charges and certain other items affecting comparability. In order to allow full visibility on determining comparable results, information on items affecting comparability is presented separately for each of the components of profit or loss. Constant currency reporting provides additional information on change in financial measures on a constant currency basis in order to better reflect the underlying business performance. Therefore, change in financial measures at constant currency excludes the impact of changes in exchange rates in comparison to euro, our reporting currency. As comparable or constant currency financial measures are not defined in IFRS they may not be directly comparable with similarly titled measures used by other

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Intellectual property is a virtuous cycle



A highly profitable and sustainable licensing business



Nokia is an innovation powerhouse



Innovation leadership

Industry-leading research and innovation

€130bn+

invested in cutting-edge R&D since 2000

€4bn+

invested in R&D across Nokia during 2021



Standards leadership

Ecosystem leadership through standardization

4,000+

patent families declared essential to 5G standard

6G

leadership in Hexa-X project and beyond



Patent leadership

Constant renewal of industry-leading portfolio

~20,000

patent families with vast majority in force in 2030

1,500+

new patent families filed during 2021

Industry-leading cellular patent portfolio



#1

PA Consulting ranked Nokia as #1 in ownership of granted patents that their analysis found essential to 5G

#1

Nokia received ISO 9001 certification for high-quality end-to-end patent portfolio management, an industry first

Sources: PA Consulting (04/2021)

NOTE: Reference to certain patent studies here does not mean that Nokia would necessarily agree on all the data, methods, and conclusions in those studies.

A leader in multimedia research and standardization



Multimedia portfolio

1,200

Nokia has created over 1,200 fundamental multimedia inventions since 2000 through continued leadership in R&D

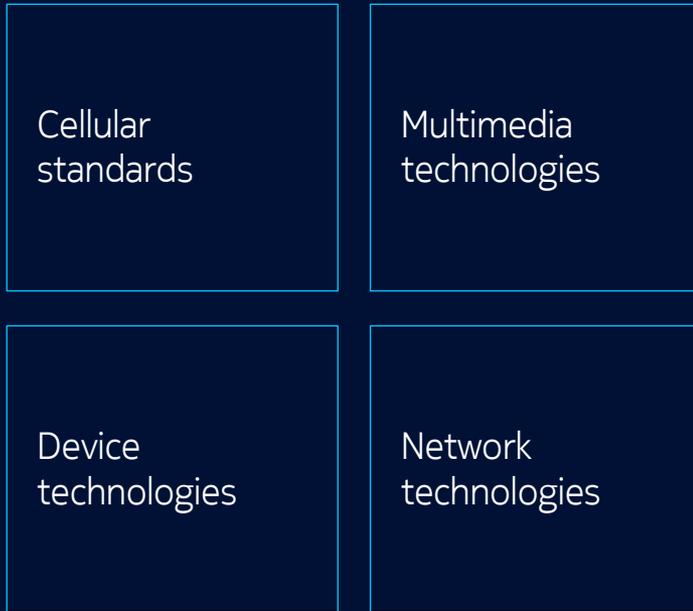
5 Emmys

Nokia has received 5 Emmy® Awards for our work with our partners in the field of video research and standardization

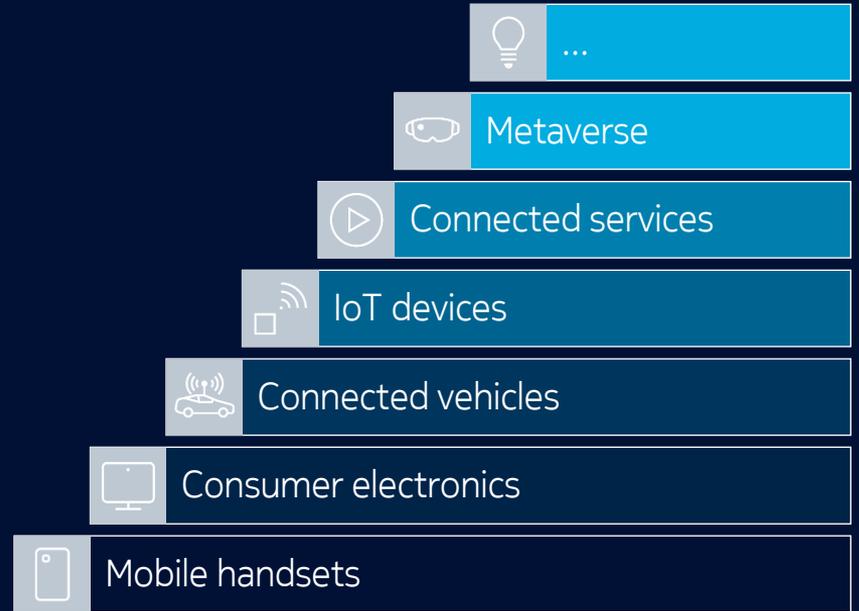
Our inventions are fundamental and enable entire industries

New form factors and value streams have opened new licensing opportunities

Our portfolio is highly relevant ...

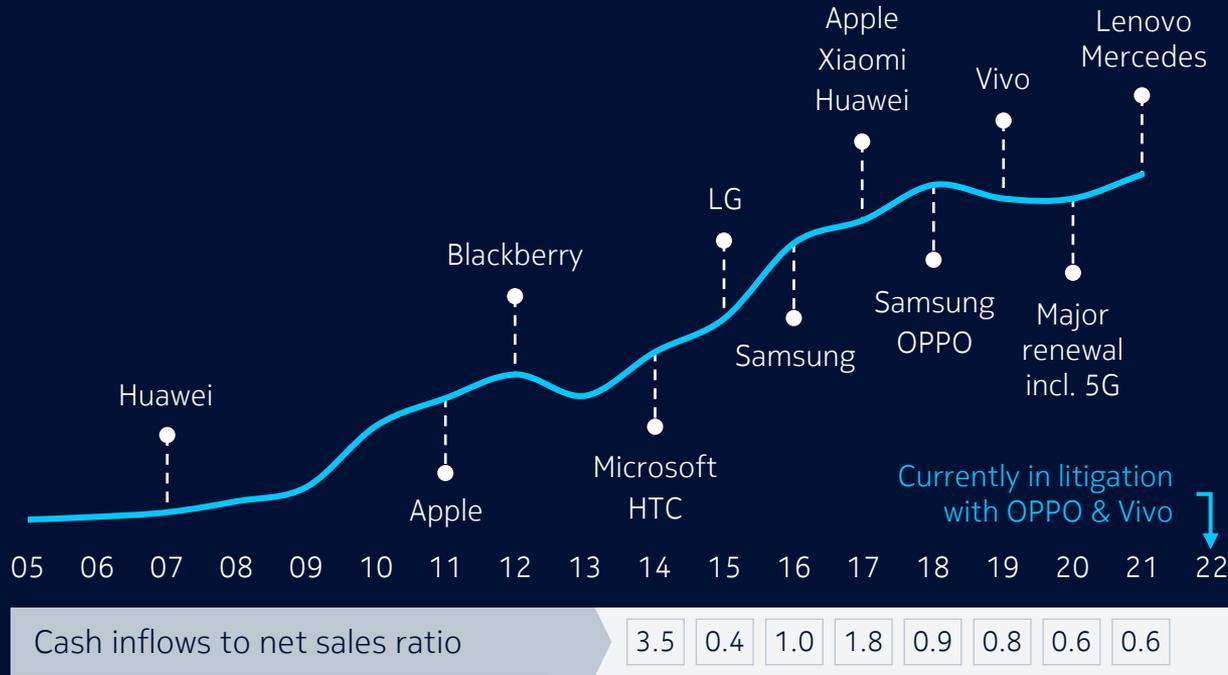


... across multiple sectors



A proven track record

Patent business net sales and key deals



Proven assets

Strong IP assets with their value proven through the legal system

Expert team

Strong patent creation, licensing, and litigation teams

Licensee-friendly

Compelling licensing offering incl. patents, technology, and brand

NOTE: A limited subset of example deals is presented here for illustration purposes only and may include past and/or current licensees and do not imply future license renewals. Patent business net sales are illustrated using a 3-year moving average (centered). Cash inflows to net sales ratio shown is for Nokia Technologies.

Making progress in growth areas



IoT devices
Pioneering new licensing approaches

NEW APPROACHES
Collaboration arrangement
with Nordic Semiconductor



Connected vehicles
15+ new licensing deals since 2021

EXAMPLE DEALS SINCE 2021
Mercedes Ford General Motors
Volkswagen Hyundai Kia



Consumer electronics
20+ new licensing deals since 2021

EXAMPLE DEALS SINCE 2021
Samsung Lenovo Technicolor



Key takeaways

Delivering value from intellectual property



Leading
portfolio

Proven track
record

Progress in
growth areas

The image features the Nokia logo in a bold, white, sans-serif font, centered horizontally. The background is a dark blue gradient with a white, glowing hexagonal grid pattern that recedes into the distance, creating a sense of depth and technology. The grid lines are thin and spaced evenly, forming a honeycomb-like structure.

NOKIA