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The vRAN (Virtualized Radio Access Network) Ecosystem: 2017 – 2030 – Opportunities, Challenges, Strategies & Forecasts

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Abstracts

vRAN (Virtualized Radio Access Network) refers to a RAN (Radio Access Network) implementation where some or all baseband functions are separated from the remote radio unit and run as VNFs (Virtualized Network Functions) on commodity hardware. This approach results in multiple operational benefits including but not limited to TCO (Total Cost of Ownership) reduction, performance gains and scalability. In addition, vRAN enables mobile operators to future-proof their networks for 5G upgrades.

The vRAN market is presently at a nascent stage with most investments focused on virtualized small cells for targeted greenfield deployments and pilot engagements for macrocell coverage. However, as mobile operators realize the benefits of RAN virtualization, the market is expected to grow at a CAGR of approximately 125% over the next three year period. By the end of 2020, SNS Research estimates that vRAN deployments will account for a market worth $2.6 Billion.

The “vRAN (Virtualized Radio Access Network) Ecosystem: 2017 – 2030 – Opportunities, Challenges, Strategies & Forecasts” report presents an in-depth assessment of the vRAN ecosystem including enabling technologies, key trends, market drivers, challenges, standardization, collaborative initiatives, regulatory landscape, deployment models, operator case studies, opportunities, future roadmap, value chain, ecosystem player profiles and strategies. The report also presents forecasts for vRAN investments from 2017 till 2030. The forecasts cover multiple submarkets and 6 regions.

The report comes with an associated Excel datasheet suite covering quantitative data from all numeric forecasts presented in the report.

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