This unique commercially oriented report has 180+ pages packed with detailed market and technical analysis with many new infograms, conference slides, roadmaps and ten year forecasts 2017-2027. It is based on global research by PhD level multi-lingual analysts in 2016-7 with frequent updates. The Executive Summary and Conclusions is insightful, detailed yet easily assimilated.

An introduction gives an overview of the background and technologies with a frank assessment of why most manufacturers and analysts have been over-optimistic about the use, though not always the deployment of these systems in the past and the significance for the future of new capabilities such as long range phone charging. Other chapters embrace the different applications, technologies and roadmaps.

The report primarily discusses mobile phone and electric cars charging but showing how much the same arguments apply to many electrical and electronic goods, particularly mobile ones. Most analysts forecasting sales of contactless charging systems for phones and pure electric cars have over-estimated both over the last 15 years. In response to customer demands, may other aspects were being fixed first. People wanted better features and more of them with their phones, larger screens and so on.

Electric cars were held back by range anxiety, high up front price, poor resale price and the need to change driver behaviour such as driving more carefully and finding and using charging stations, usually incompatible ones with a profusion of different payment methods and Tesla ones banned to anyone else. These impediments are gradually being overcome so consumer needs relevant to wireless charging come nearer to the top nowadays. Beware though. The report exposes how the charging needs and solutions for phones and the like have important differences from the needs and uses for vehicles and contentiously, it translates this into value sales for electric vehicles overtaking those for phones within the decade.

The report is extremely comprehensive. It looks at the activities of many developers and manufacturers and their potential customers and users. The enthusiasm of suppliers shown in new interviews is tempered by twenty years of experience for the analyst and new opinion from key companies such as Ford assessing the technology in 2017. Having recently researched reports on Fuel cell vehicles, energy independent electric vehicles, better batteries, better energy harvesting phones and robot chargers render wireless charging unnecessary.

The analyst is best placed to provide a balanced view of each because we have researched reports on all these subjects recently. Indeed the analyst stages conferences and exhibitions on these aspects and the core topic of wireless charging so the report contains slides and answers from interested parties that are not generally available. This report is no cut and paste from the web but it does contain some forecasts of others for comparison with the new analysis.

The report reveals how mobile phone users do not want contactless charging as such but rather they need ubiquitous charging without carrying a charger around or better still, no loss of use through lack of charge. It contrasts electric vehicles where the act of plugging in public places can he a physical strain, dirty and dangerous but the environment is more challenging with roads being dug up, animals getting irradiated and ground clearance varying greatly and obscuration a problem.

However, the reader can form their opinion based on inputs from all parts of the value chain and from other interested parties. To dig deeper on certain aspects, the analyst has many new reports and consultancy services on allied topics such as post-lithium batteries, extreme lightweighting and wearable electronics.

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