

## SON, a critical enabler for future wireless networks



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SON (self-organizing networks/self-optimizing networks) is the new buzz word of the moment. The arrival of LTE means the addition of a new network and a set of new requirements, resulting in increased network complexity and potentially higher opex – despite LTE's promises of improved cost efficiencies. In anticipation of these issues, large operators have identified SON as a key feature to address these challenges.

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- SON is a critical feature to enable new network architectures based on smaller cells
- SON means cost savings through automation and potentially fewer employees
- SON also contributes to capex rationalization
- SON can contribute to the enhancement of end-user experience
- SON is critical but its development is not an easy task
- Network element vendors need to follow standard recommendations
- SON solutions need to be scalable
- LTE is a new technology so field experience is still needed
- Operators need to be convinced by SON's efficiency in real life
- Different vendors will focus on different aspects of SON
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- SON differentiation relies on the SON algorithms developed by vendors
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- They all have a SON story that goes beyond the RAN
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- Motorola's LTE SON Solution
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- Radio network planning/optimization specialists
- Actix
- Optimi

Femtocell specialists  
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