

PIWORKS



PI WORKS  
EVO  
PLATFORM™



**SmartPlan**

Experience Driven  
Multi-Dimensional  
Investment Planning

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# Maximizing the Investment Efficiency with Multi-Dimensional Capacity Planning

*SmartPlan utilizes top-class machine learning algorithms and correlates them with business and marketing data to maximize your Return on Investment (ROI).*

SmartPlan is a crucial element of mobile operators' 5G evolution strategy. Smart capacity planning and network design functionalities work together to provide an accurate view of the required capacity expansions, along with the optimum number of required sites.

The network performance will improve through targeted coverage and capacity planning, helping operators improve the NPS (network promoter score) and achieve their benchmark targets at a lower cost.

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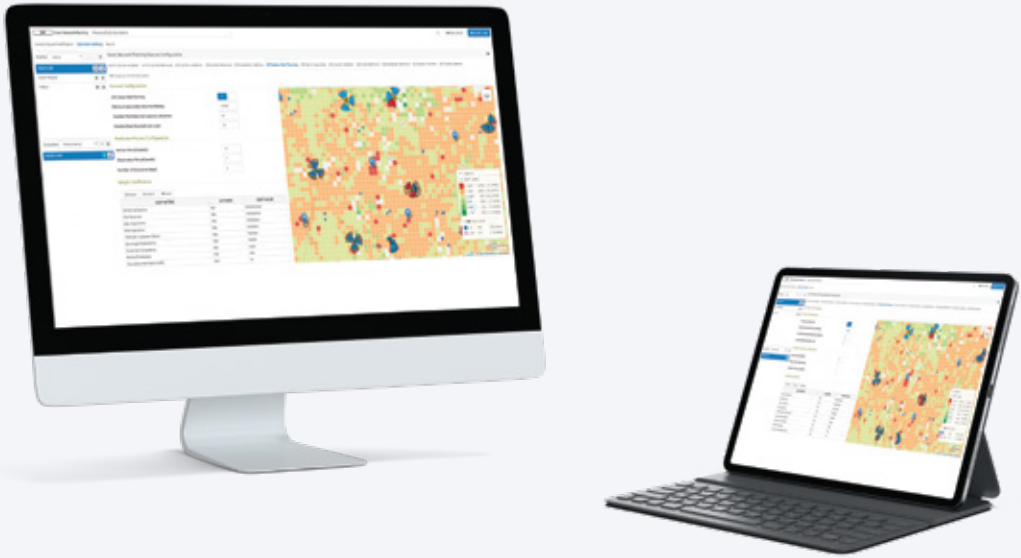
## Key Capabilities & Benefits

- ✓ 15% to 25% lower CapEx.
- ✓ 70% less investment in older mobile technologies.
- ✓ Improved ROI with customer-centric investment planning.
- ✓ Single platform that combines network optimization and planning; reducing new site requirements and eliminating redundant investments.
- ✓ Multi-dimensional and automated infrastructure management through one-click network planning.
- ✓ AI-based traffic forecasting for accurate rollout planning.

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# High Precision, Predictive Network Planning

SmartPlan is instrumental in forming your network expansion strategy. With its flexible policy management framework, RAN planning can be made more efficient and customer centric.



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## Product Features

- ✓ **Optimal site addition and removal suggestions:** SmartPlan proposes the best locations for new site rollouts by accurately identifying high-traffic zones. It also identifies which sites are under-utilized and suggests removing them if not needed, in order to achieve the lowest OpEx possible.
- ✓ **Small cell rollout locations:** Best locations for new small cell rollouts are automatically identified, enabling macro traffic offloading for a better broadband experience.
- ✓ **Capacity expansion proposals:** SmartPlan proposes capacity expansions where needed to resolve high traffic demand bottlenecks, by considering proposed cell site configurations and operator layer management strategies.
- ✓ **Site rehomings planning:** Under-utilized cell sites are proposed to be re-homed for increased utilization, CapEx savings and enhanced subscriber experience.
- ✓ **Map based results visualization:** Planning engineers can visualize proposed cell locations on the map, which features comprehensive heatmap capabilities.
- ✓ **Integration with EXA:** SmartPlan collaboratively works with P.I. Works' EXA to incorporate optimization actions into the planning process.

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# Mobile Network Planning Made Smarter with AI & Automation

*Maximize your Return on Investment (ROI) with machine learning-powered data correlation, comprising of network data, marketing data, automation actions, RF prediction systems, and geolocation systems. With a flexible policy management framework, RAN planning can be made more efficient and customer centric.*

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## Discover the value of SmartPlan

Optimized network capacity investments



Multi-vendor and multi-technology network planning



Predictive traffic analysis



Simplified and integrated 5G rollouts



Reduced costs via preplanned rollouts



Single planning solution for several operator business units





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# About P.I. Works

P.I. Works is a leading provider of AI-driven mobile network planning, management and optimization solutions. P.I. Works combines field-proven expertise with a commercially available product portfolio and services. These solutions enable Mobile Network Operators to accelerate 5G transformation and improve network quality. P.I. Works has deployed its solutions at 60 mobile network operators in 42 countries.

For more information, please visit  
<http://www.piworks.net/products>  
or send e-mail to [sales@piworks.net](mailto:sales@piworks.net)  
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