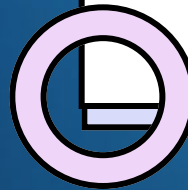


NPO & Machine Learning

PORTFOLIO



○ It's not a software, it's customized Machine Learning solutions for your Network

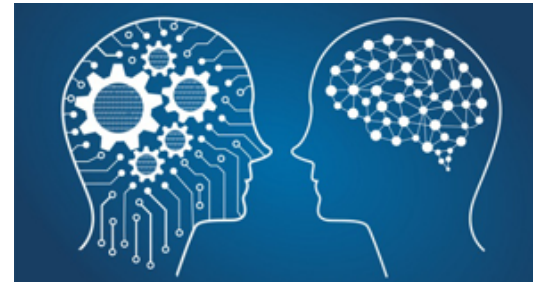
- Each solution comes with a pre-defined open model
- Depending on your network size, data and deliverables, we will work together with your NPO team to achieve what you need



Telecom & Computer Experts



Software Programmers



Machine Learning



Customer's Team

Own & Customized Solution



○ Predict the Future of your Network!

- Using supervised ARIMA models on your historical data, for knowing the future conditions of the network
- Cell-basis predictions of main KPI's
- If it's not predictable then we could give Machine Learning a try
- Smart clustering for simplifying and reducing calculations
- Validation and Prioritization of expansion plan. Where to invest!
- Adjustments using your own Planning and Sales predictions
- Web reporting with Tableau or Power BI, customized at your will



○ Auto - TWIST & TILT

- With propagation delay statistics and physical configuration of each antenna we'll give you the optimal tilt & twist for decreasing interference without losing or gaining traffic
- RET available? Let's make a trial in a cluster!
- Want to modify a cell's coverage easier and faster than commercial prediction tools? Let Machine Learning do the job by learning with your own network data.



○ Optimization by Similarity

- Let's use smart clustering for grouping similar behaviors cells
- With Machine Learning we'll find out the difference between Actual and Optimal Behavior of each cell based on the rest of its group
- Copy and Paste configuration from good cells to worst cells



○ Finally we'll know how KPI's depend upon each parameter!

- No matter which vendor you have and how many parameters are available, with Machine Learning we'll get a Customized Parameters Handbook
- Stop wasting time learning useless information, let's focus on important and trouble-solving configurations

