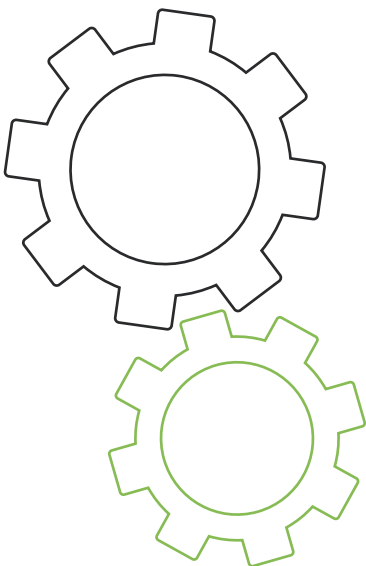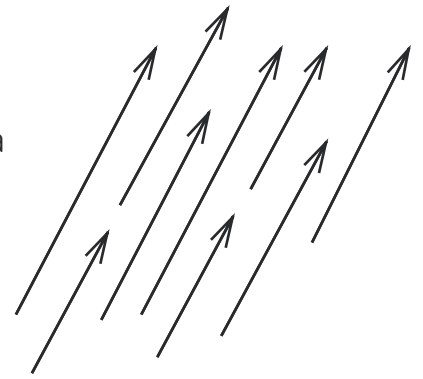# Polygravity™

Inter-carrier settlement system

In the entire telecom industry wholesale margins are under severe pressure. Prices for both minutes and data are in decline, and the settlement process between carriers still requires an extensive amount of manual labour, making it highly prone to error and fraud.

Polygravity connects wholesale partners so that manual labor is no longer required and settlement is automatically conducted in real-time, seamlessly and in a manner that is trusted by all participating parties, thereby significantly increasing wholesale margins by means of saving cost and reducing risk.

Maximum granularity and real-time settlement

Because of the massive transaction throughput capabilities of Polygravity's core technology, inter-carrier billing is conducted on a "per second" basis and in real-time. As a result:

1. Our users have real-time awareness of their wholesale cost and income.
2. Our users exchange value betweeen each other instantly, thereby reducing the required working capital for wholesale operations to a minimum.
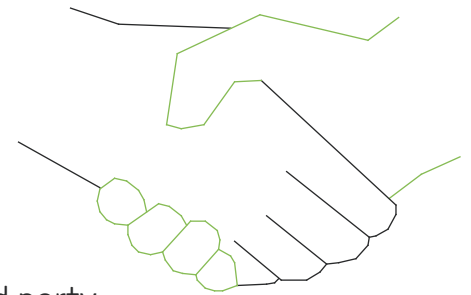
Seamless billing process

Polygravity's inter-carrier billing solution effectively removes the problem of incongruent billing data between wholesale partners. Through automated rating sheet and CDR synchronisation most disputes are prevented before they arise. Should there still be discrepancies the system automatically detects those in real-time and initiates a highly efficient dispute resolution process. This reduces the negative impact of inter-carrier conflicts on operators' efficiency to a minimum.

info@polygravity.io

Polygravity™

Inter-carrier settlement system

Highly trustworthy system design

Synchronising carriers on their wholesale billing requires a maximum amount of trust in the enabling system. Because of this we made sure that our system is designed in a way so that no trust is required in the first place:

- No business critical information can be accessed by a third party (neither Polygravity, nor the wholesale partner).
- Transactions between wholesale partners can only be executed if both parties
  are in agreement on its terms.
- Once a transaction is executed, transaction data can not be changed anymore. This means that no trading party can claim that a transaction has not happened or that it
  did not agree to the rates under which it was executed.
- All components of the system that are operating in the network are in complete control of the respective network owning carrier.

For additional information such as product layouts, statistics or pricing, do not hesitate to get in touch.

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