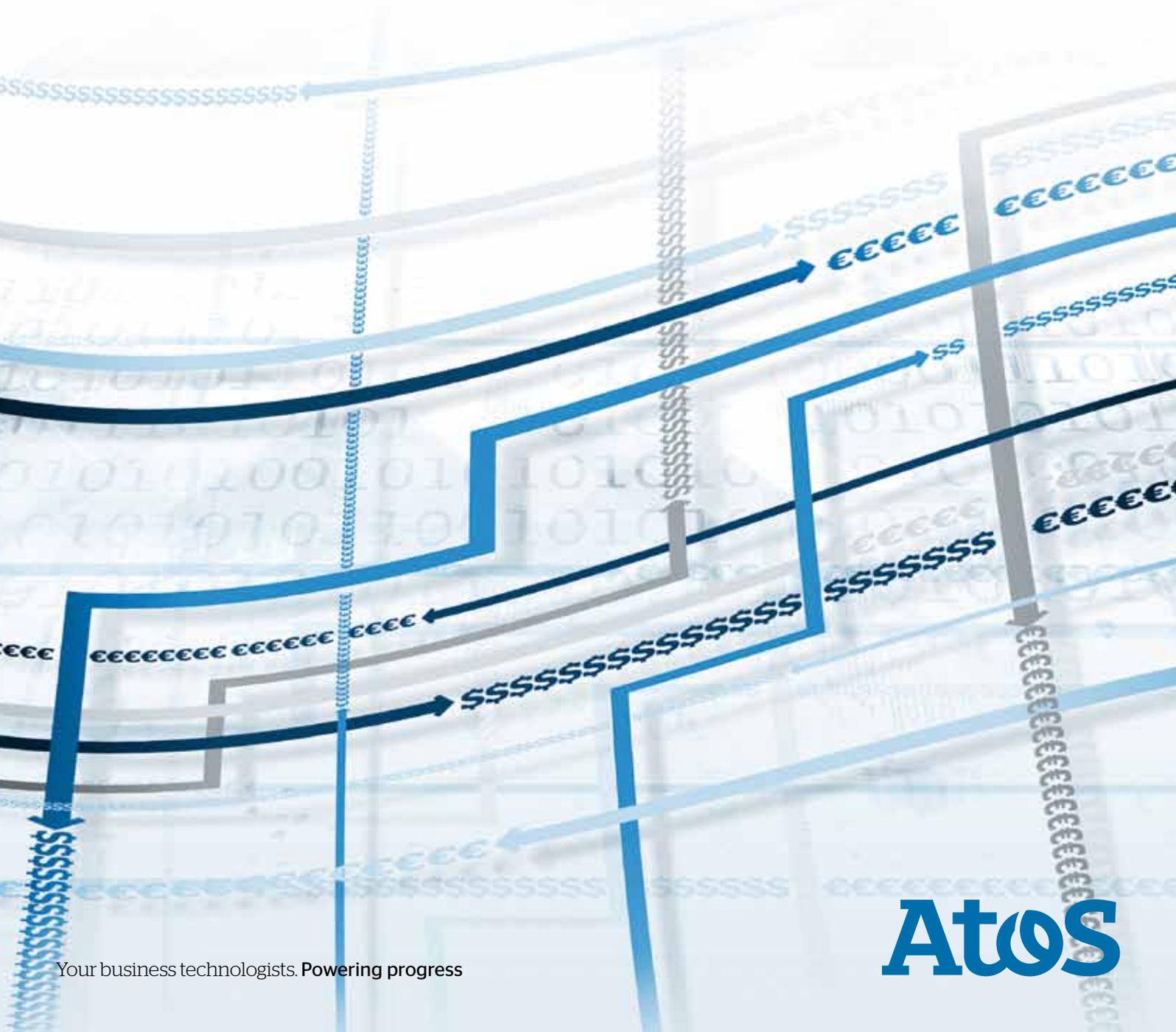


Online Charging

# evolution smarter charging

setting the standard in price/performance



# Your real-time advantage

Atos Online Charging offers instant visibility, intelligence and control of data and convergent services across your networks. Its advanced real-time charging engine transforms raw usage data into actionable information that can be leveraged to drive innovation and dramatically improve the customer experience.

As usage of data services continue to surge, CSPs are faced with the task of processing tens of thousands of transactions per second during peak hours.

Legacy charging technologies were simply not designed to handle this load as many CSPs are now discovering.

What CSPs desperately need is a real-time capability that is unconstrained by the limitations of legacy technologies while offering the flexibility and configurability that they have come to expect from traditional batch applications.

## Setting the standard

Atos Online Charging has been designed to meet these demanding requirements, improve CSP efficiency and enhance the customer experience. It sets new standards in price/performance thanks to its advanced real-time charging engine that can comfortably support the growing volume and complexity of services requiring real-time processing.

In this way, Atos Online Charging helps CSPs move to a real-time data-centric business model based on convergent charging across all payment methods and service offerings.

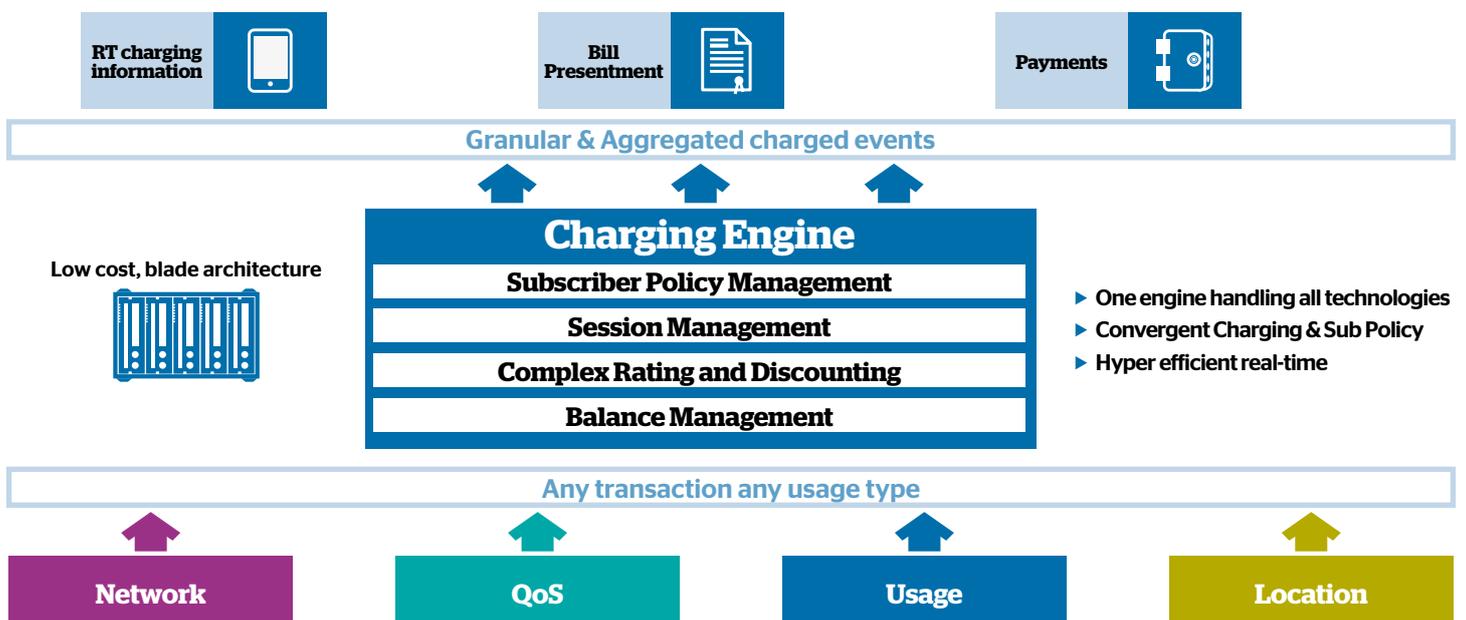
It is completely configurable to meet today's requirements while offering the flexibility and scalability to cope with rapidly-growing data volumes and evolving needs.

## Next-generation technology

The Atos solution is offered in conjunction with Matrixx, an Atos partner and a leader in next-generation charging technology.

The Matrixx Charging Engine is 3GPP-compliant for both online and offline charging, and complies with Diameter DCCA standards for event and session based rating.

Radical changes to the underlying database and transaction management technology ensure no degradation of performance even for the most complex services, making Matrixx Charging Engine an LTE ready platform.





## Beyond balances

Until now, real-time was considered cost prohibitive to deploy for anything other than pre-paid voice services despite the well understood business benefits. But pre-paid balances are just the tip of the iceberg.

Atos Online Charging makes real-time processing a reality for all subscribers and services, enabling CSPs to reap the benefits of real-time interaction with customers while dramatically reducing operational costs.

## Customer benefits

Here are just a few examples of how real-time processing can benefit your customers:

- ▶ **Itemized data billing tells them how much data was consumed by a specific transaction**
- ▶ **Advise customers before they act -- before they download a bandwidth-hungry movie, for example**
- ▶ **Alert customers who are close to their monthly data cap so they can choose to buy more bandwidth or reduce speed**
- ▶ **Implement spot pricing for bandwidth so that it is cheaper when the network is less congested**
- ▶ **Offer innovative marketing programs, such as sharing of data allowances among "friends and family"**

The advanced transaction architecture at the heart of Atos Online Charging ensures that performance is sustained no matter how complex your tariffs and offers become. The only limitation to your creativity is your marketing department's imagination.

By combining configurability, flexibility and unmatched performance together with high availability and predictability, Atos Online Charging provides a future-proof solution that will dramatically change the way you do business.

## Why choose Atos?

At Atos, we are committed to providing our customers with the best online charging solution, one that combines industry-leading technology with our unrivalled expertise in delivery and systems integration. We have a single-minded focus on solving your business challenges, which ensures that the online charging solution is ideally suited to your particular needs and IT maturity.

Complex integration requires a special mix of careful planning, extensive experience and superior technical skills if it is to be successful. Atos has an extensive track record for delivering IT integration projects in this sector.

Atos has more than 20 years of experience in the telecoms industry and works with all the top CSPs.

## Atos Online Charging Key Benefits

- ▶ **Enrich rating and extend hierarchy with virtually no impact on performance**
- ▶ **Eliminates the performance / capability trade-off inherent in earlier approaches**
- ▶ **Hardware footprint 1 to 2 orders of magnitude below competing products**
- ▶ **No third-party database licensing costs**



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# About Atos

Atos is an international information technology services company with annual 2011 pro forma revenue of EUR 8,5 billion and 74,000 employees in 48 countries. Serving a global client base, it delivers hi-tech transactional services, consulting and technology services, systems integration and managed services. With its deep technology expertise and industry knowledge, it works with clients across the following market sectors: Manufacturing, Retail, Services; Public, Health & Transport; Financial Services; Telecoms, Media & Technology; Energy & Utilities.

Atos is focused on business technology that powers progress and helps organizations to create their firm of the future. It is the Worldwide Information Technology Partner for the Olympic and Paralympic Games and is quoted on the Paris Eurolist Market. Atos operates under the brands Atos, Atos Consulting & Technology Services, Atos Worldline and Atos Worldgrid.

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