

# CME Group

## Real-time Risk Analysis Architecture

### Situation

- CME is the world's most diverse derivative marketplace and a systemically important Financial Market Utility. Following the passing of the Dodd-Frank Act, CME needed to clear member risk at a far more granular level than before.
- Key issue was timeliness: risk systems were batch-oriented, delivering pre-aggregated snapshots of PnL and risk every 30 minutes. They needed a real-time system that would let them drill-down at will.
- Internal audit showed that solving the issue with the existing technology required tripling the risk analysis team.

### Benefits

Integrating Atoti for risk analysis solved this issue and provided CME with three main benefits:



**Real-time mark-to-market and quicker insights** into market changes, with full visibility over the effect of new trades



**Reduced risk for the clearing members:** CME analyst can spot abnormal trends and alert members much faster



**Greater efficiency:** with Atoti, CME Group has replaced six risk management tools with a single platform

### End Result

Atoti provides up-to-date, comprehensive risk management views with automatic limits monitoring and alerts, enabling analysts to provide better insights and greater value to CME's customers.



*A major factor in our decision was Atoti's ability to keep pace with multiple sources of data. It was the combination of real-time capability, high availability and integration of our bespoke business logic that set the platform apart.*



**Heather Munoz**, Managing director for Enterprise Architecture at **CME Group**