

# Smart Closing with AI

Reliable and timely prediction on managerial closing before the end of month

## SECTOR

CFO & Digital Finance

## COMPETENCIES



Artificial Intelligence



Data Visualisation and Augmented BI



AI Engineering



Data Engineering



Data Architecture



Hyper-automation and Robotics (RPA)



## THE CHALLENGE

The classic “control cycle” based on monthly closures is limited in timeliness (since it is typically a time-consuming manual process), detail (since it works on aggregate items) and performance (because of the limits of the tools typically used – e.g. MS Excel).

In this scenario, the need arises for **a faster, prompt, and timely actual data closing, and for a reliable and frequent predictions on short term closure** (during the month).



## OUR SOLUTION

Bip supported TIM in **developing an automated and scalable platform** based on a proprietary Auto-Machine Learning Engine.

**Smart Closing allows to manage daily historical data** of the main managerial indicators which contribute to the Service Margin, automating the retrieval of all the relevant analysis dimensions (e.g., prices/tariff plans, offers/promotions, customer segments, usage type, ...) via RPA or direct DB connections, checking the overall data quality and applying corrections where necessary.

**The forecasting engine is based on an Auto-ML service** to speed-up the development process and **the outputs are presented through Power BI web dashboards** that meet all the executive and operative needs.



## RESULTS

The solution provided many qualitative and quantitative benefits such as:

- Progressively **reducing error in the prediction** approaching the end of the month
- **Lowering processing times:** few hours of computation compared to the 4-5 days previously spent for manual calculations
- **User-friendly tool** to support visualization of results
- **Automated extraction of actual data** from Legacy systems through RPA

## BENEFIT



**3% end of month forecast error at day 15, 1% forecast error at day 28**



**10.000+ distinct planning items/forecasting models**



**50+ data feeds managed automatically**



**20 less days** to obtain a certified managerial pre-closing estimation



## CLIENT TESTIMONIAL

*The collaboration between TIM and Bip xTech played a fundamental role in acquiring an optimal level of autonomy in the management of run operations. The tool is widely used as an invaluable support for accounting closing operations.*

**Cecilia Steve, CFO - Revenue Assurance Retail & KPI Director  
TIM**





## Contact us

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