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## Advison Lab

Open - Research topics for collaboration with University

February, 2022

# ADVISON

About the company and distinctive competences

## ADVISON

**Advison** is the **boutique consulting** firm of the group EasyNet

**Advison** competences focus on **designing, modeling and implementing planning solutions** on **Finance, Supply Chain** and Operations, supporting digital transformations and IT architecture evolutions.

**Advison** holds key expertise in Fashion & Luxury, Consumer Goods and Utilities

**Advison** energy is the competence of its **key people**, the great passion for the work, the continuous challenge to operate to the next level together with the customers

**Advison** counts 15 people, targeting 20 by the end of Q1 2022. Advison had 0 turnover

**Advison** is located in Milan and Lecco




# BI PLANNING

Advise on holistic view of the solutions and key enabling technologies

# INTEGRATED BUSINESS SOLUTIONS – Enabling technologies

## Totally custom tools




Custom sheets, formulas, reports  
No workflows, normalization and data storage  
No/poor integration



MS Excel




## BI-Planning platforms

Process best practices and company flows  
Custom UI, reports and KPIs  
Flexible integration



## Planning suites

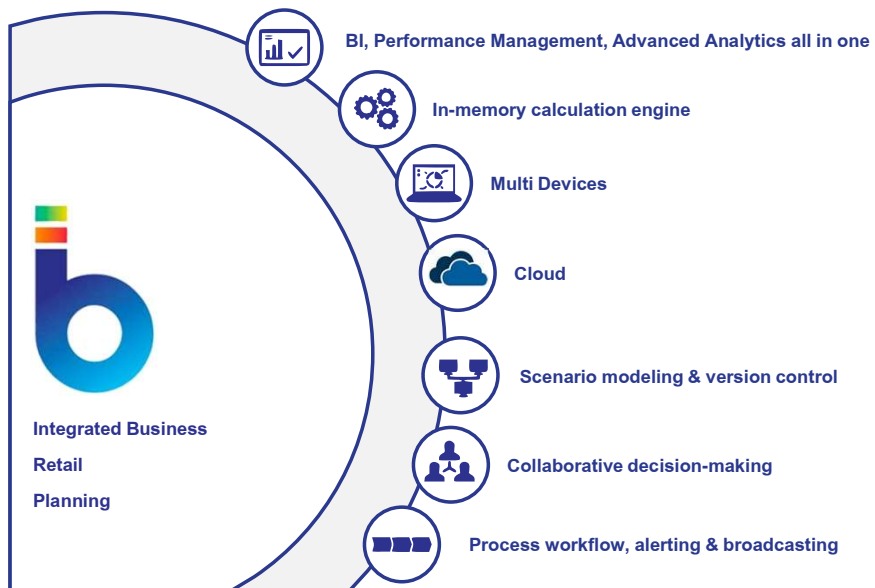
Industry and process focused  
Poor customization  
Rigid architecture schemas



## INTEGRATED BUSINESS SOLUTIONS – Enabling technologies

BOARD is a BI-Planning platform, hosting in the same tool the capabilities of a multidimensional planning solution and those of the Business intelligence

### Platform Core Capabilities



### WHY BOARD in a NUTSHELL

- **Suitable for Agile** approach
- **Modular** and scalable solutions
- **Step-wised approach** in evolving applications
- **Integration** with many data sources
- **BI and Planning** capabilities in the same solution
- **License plan customizable** and scalable
- Both **OnCloud** or **OnPremise** architecture
- Designed integration with **analytics**
- Flexibility in creating **customized UI/UX**

## INTEGRATED BUSINESS SOLUTIONS - Competences

The team is **specialized** in the **design, development, deployment** and **support** of solutions based on Board BI Planning tool

The team **brings together** an end-to-end view of the processes, combining design, technological and UX competences. The application came out from this holistic way of thinking.

### PROCESS & ARCHITECTURE EXPERTISE

Best practices and experiences of processes, technologies and IT architectures to enforce modelling expertise into a Integrated Business Transformation schema. Leverage on cross-tools functional expertise for functional analyses



### BI PLANNING TECHNOLOGIES

Using BI-Planning class of technologies to generate planning applications, with high level of flexibility and integration needs. These solutions allows to improve the clients' engagement and facilitate the design through artifacts/prototypes. UI/UX and exception management are key elements of the application



### ADVANCED ANALYTICS

Empowering the planning application with statistical, AI models to support and speed up the planning processes in the application



# OPPORTUNITIES

Open proposal for a stage with Advison



## S001 - Agile development of BI planning - analytics assisted application for omichannel replenishment in F&L

In season planning processes deal with fast and reactive distribution of finished products across the supply chain, from central, production warehouses to the point of sales.

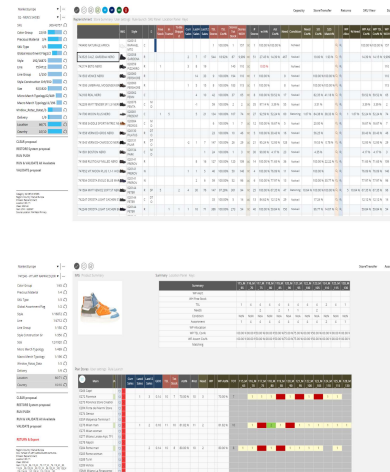
A reactive, sales driven supply chain is a complex mix of processes, tools and algorithms helping to sustain certain service levels, supporting re-allocation of the inventory.

**The candidate** will operate on ongoing projects together with the team Advison and the clients. The ideal candidate has interests in supply chain planning processes and related enabling technologies.

**The objective** is to contribute to the analysis, implementation and documentation of the application, having a holistic view of the process it has been designed for.

**This experience** allows new resources

- to be part of a committed-to-value and dynamic team of process and technology consultants
- to learn about innovative supply chain process in Fashion&Luxury sector
- to learn about supply chain modelling
- to learn about BI-Planning platforms integrated with analytics



**Offer:** academic stage for Master Thesis  
**Duration:** 6 months  
**Start:** Feb-Jun 2022  
**Location:** Remote – Milan  
**Sector:** Fashion&Luxury  
**Company involved:** 3

**Refund:** Forfait covering expenses  
**Journey:** preferably full time  
**Finalisation:** hiring

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## S002 - Agile development of BI-Planning - analytics assisted tools for omnichannel forecast and reorder in F&L

In a reactive supply chain, demand and supply are frequently reviewed in order to achieve sales goals.

Rolling forecasts of finished products are produced weekly or monthly and the reorder quantities are calculated and planned according to the rolling needs of stock, production and distribution leadtimes.

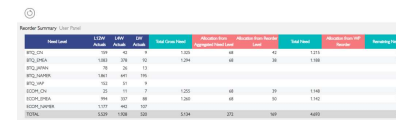
Using planning BOMs, the need a reorder of components can be also planned or addressed to suppliers

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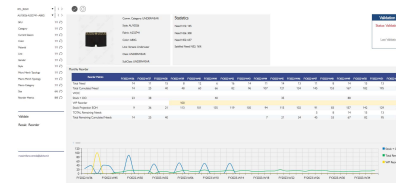
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| Item   | LT   | LT   | LT   | LT   | LT   | LT   | LT   | LT   | LT   |
|--------|------|------|------|------|------|------|------|------|------|
| BPL-DI | 40   | 40   | 40   | 40   | 40   | 40   | 40   | 40   | 40   |
| BPL-DI | 1500 | 1500 | 1500 | 1500 | 1500 | 1500 | 1500 | 1500 | 1500 |
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**Start:** Feb-Jun 2022  
**Location:** Remote – Milan  
**Sector:** Fashion&Luxury  
**Company involved:** 2

**Refund:** Forfait covering expenses  
**Journey:** preferably full time  
**Finalisation:** hiring

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# OPPORTUNITIES

Open proposal for a research activity with Advison

## R004 - Control tower logics for an inseason distribution/assortment model for Retail in F&L

In Fashion & Luxury, Collections are continuously renewed as a mixture of new and existing products to maintain the assortment. In a demand driven model, estimating the sales expectation also of new products is a key factor in planning the assortment and the quantity to buy. Sales expectation of every product in store can be addressed leveraging on multiple, also exogenous factors. Basing on the past and current sales patters and exogenous elements, simple or AI based algorithms must be integrated to support planning decisions.

**The candidate** will operate on an ongoing research project together with the team Advison and its clients. The ideal candidate has interests in supply chain planning processes and related enabling technologies (both planning and analytics).

**The objective** is the analysis and realization, together with the Advison research team, of a prototype demonstrating the top-down planning approach

**This experience** allows new resources

- to be part of a committed-to-value and dynamic team of process and technology consultants
- to learn about innovative supply chain processes in Fashion&Luxury sector
- to learn about BI-Planning platforms integrated with analytics



**Offer:** research master thesis  
**Objective:** Master Thesis  
**Duration:** 6 months  
**Start:** Feb-Jun 2022  
**Location:** Remote – Milan (Advison)  
**Sector:** Fashion&Luxury  
**Company involved:** 1

**Refund:** Forfait covering expenses  
**Journey:** part time time  
**Finalisation:** hiring possibility

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## R007 - An analytics/BI Planning platform based tool to predict sales expectation of new assorted F&L products

Merchandise and supply chain functions strictly contribute to guarantee a service level in the point of sales, continuously reviewing levels inventory and assortment in the network according with the collection lifecycles.

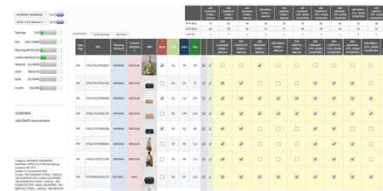
A reactive, sales driven supply chain is a complex mix of processes, tools and algorithms helping to sustain certain service levels. Control tower logics may help these processes allowing to take simulation and decisions basing on high levels KPIs, leaving intelligence to operate at bottom level

**The candidate** will operate on an ongoing research project together with the team Advison and its clients. The ideal candidate has interests in assortment planning processes and related enabling technologies (analytics).

**The objective** is the analysis and realization, together with the Advison research team, of a prototype demonstrating the capability to predict sales expectation of new products

**This experience** allows new resources

- to be part of a committed-to-value and dynamic team of process and technology consultants
- to learn about innovative supply chain processes in Fashion&Luxury sector
- to learn about analytics and BI-Planning platforms



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**Objective:** Master Thesis  
**Duration:** 6 months  
**Start:** Mar-Jul 2022  
**Location:** Remote – Milan (Advison)  
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## R008 – Network flows optimization: Store to Store Transfers

“Store transfers” is a crucial set of activities in all the supply chain networks, moreover in those business in which a single transfer could move thousand of euros from one node to another node of the network. In Fashion&Luxury sector Store Transfers are very expensive in many different ways: from the value of items moved, to the kind of packaging and receiving activities required to accomplish a transfer without the risk to cause damages to the delivered stock.

**The candidate** will operate on an ongoing research project together with the team Advison and its clients. The ideal candidate has interests in operational research algorithms and related enabling technologies and methods (AI-ML).

**The objective** is the analysis and realization, together with the Advison research team, of a prototype demonstrating the capability to generate a model that can provide improvements in the store transfer optimization results.

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## R010 – Omnichannel forecasting methods in F&L

In a demand driven supply chain, rolling forecasts of finished products are produced weekly or monthly.

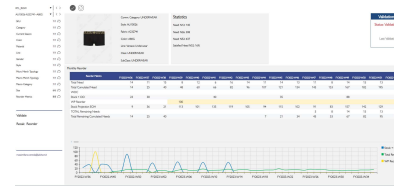
Forecast accuracy varies according to algorithm used, sales Channel peculiarities and product lifecycle and characteristics (key attributes). Analysis and diagnostics need to be considered in defining the best forecast library for F&L products, since the right balance of intelligence and planning capabilities is the key factor to produce an accurate and achievable forecast.

**The candidate** will operate on an ongoing research project together with the team Advison and its clients. The ideal candidate has interests in demand planning processes and related enabling technologies (analytics).

**The objective** is the analysis and realization, together with the Advison research team, of a prototype demonstrating the capability to generate an accurate forecast for F&L products.

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