



Introduction to Taipy

The Low Code “Business Application Builder”

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80%

Of all software development **fail** !

https://blogs.gartner.com/andrew_white/2019/01/03/our-top-data-and-analytics-predicts-for-2019/

The challenges faced

Only **23%** of companies find the right talent

Applications take **too long**, are **too costly** to develop and deploy

A fully-integrated Application Builder

1

GUI Generation

Here is some tip you may be interested in.

2

Data modeling

Scenario Management, Business Process Modeling, Smart Management of time series, etc.

3

Security

Architecture based on strong security requirements (secured API, Login/ password management, Data access, etc).

4

AI Platforms Support

Bridge to all major AI platforms: Google's GCP, Azure, Databricks, Amazon, etc.

5

Business Performance

Powerful Monitoring of Business Performance over time, of custom KPIs, etc.

6

Job/Pipeline Management

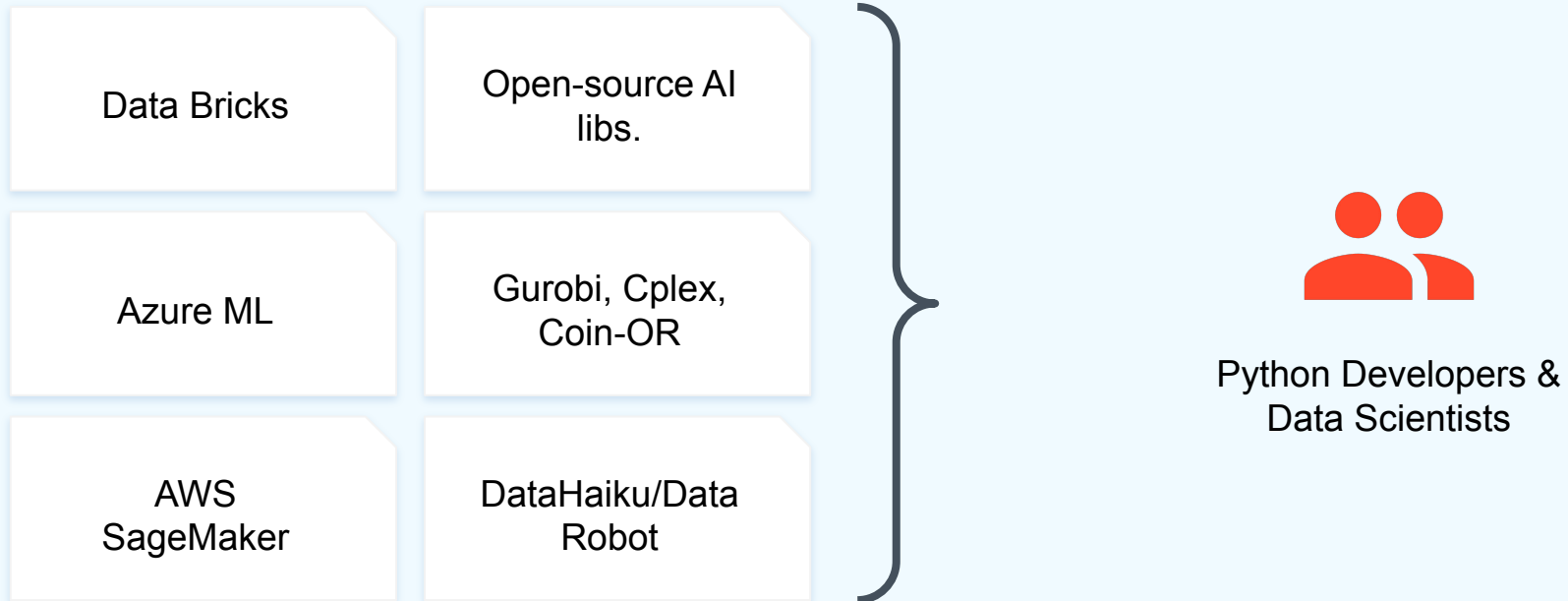
Smooth transition from Training to Scoring/Execution, Suitable for Prescriptive AI jobs.

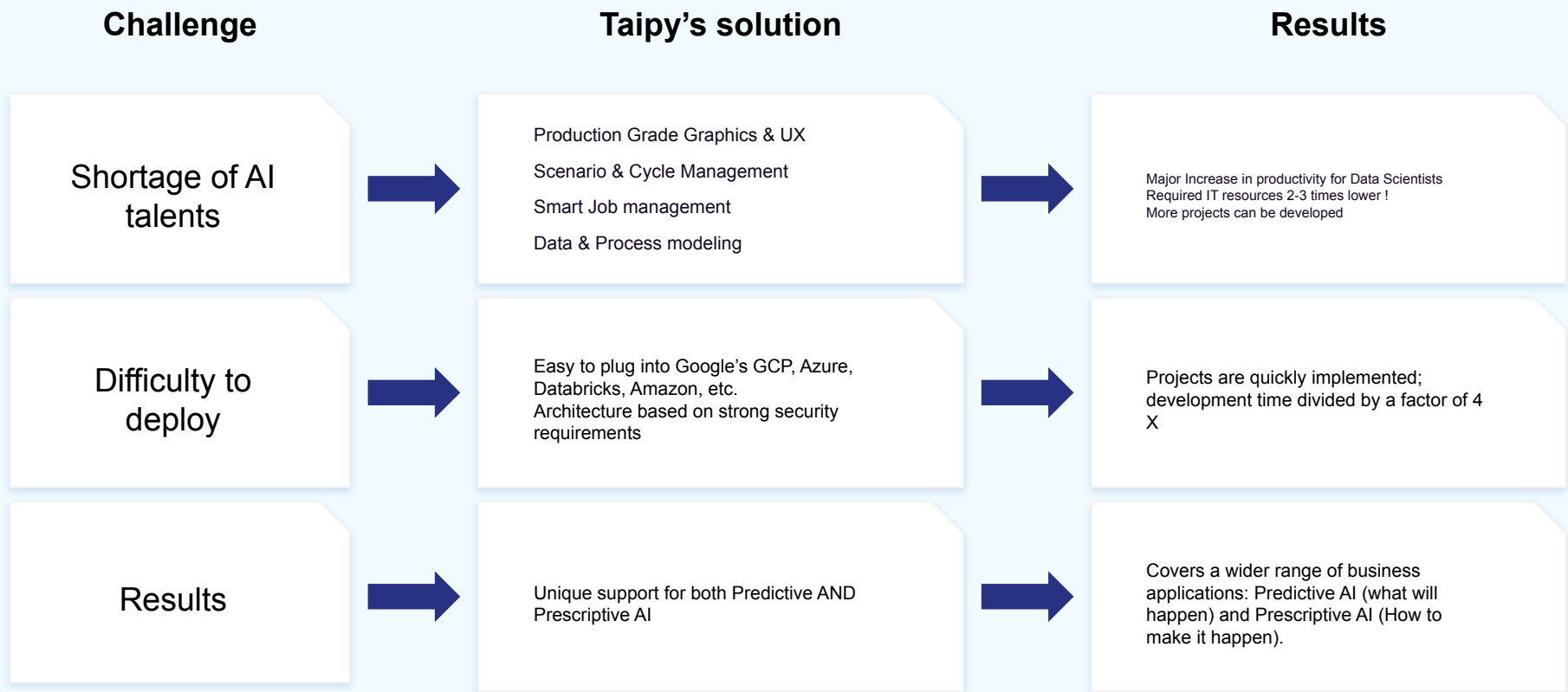
The solution

Taipy = Predictive AI + Prescriptive AI

Taipy is the only 360° low-code AI Application Builder for Python Developers & Data Scientists, ready for both Predictive and Prescriptive AI.

The solution





The logo for Intermarché, featuring the word "Intermarché" in a bold, black, sans-serif font with a red underline under "marché".

“Taipy has become a core product for our AI strategy. Taipy allowed us to bring to production award winning AI applications with limited budget and resources.”

Arnaud De Ligniville, CFO Intermarché

The logo for TAL Apparel, featuring a stylized blue and yellow circular icon to the left of the text "TAL Apparel" in a blue, sans-serif font.

“Taipy brings all the functionalities needed for an AI driven supply chain: Scenario Management, great UX, Predictive & Prescriptive AI, etc. And all at a fraction of the costs of alternative solutions.

Dang Huynh Uc My, Chairman TTC Sugar

The logo for TTC, featuring the letters "TTC" in a bold, blue, sans-serif font with a stylized orange and red arrow pointing upwards and to the right.

“Taipy is the software we have been looking for over 10 years: a software able to productize our AI algorithms. It covers all the missing links between an algorithm and a production software designed for our end-users”.

Delman Lee, Vice Chairman TAL Group

The logo for McDonald's, featuring the golden arches above the word "McDonald's" in a red, sans-serif font.

“Taipy enables us to implement the best practices to succeed with the industrialization of AI apps. It saves us several years of hard learning, many resources and has decreased the deployment of our apps drastically”.

Jesselynn M., Responsible for McDonald's HR applications

Our early adopters



Taipy Open-Source Community Model

Free-to-download version that builds value of Taipy's community as we grow the number of active users.

Hosting Open-Source Apps

Taipy App Deployment /
Hosting
Average Deal Size
300\$/month per customer

Enterprise Version

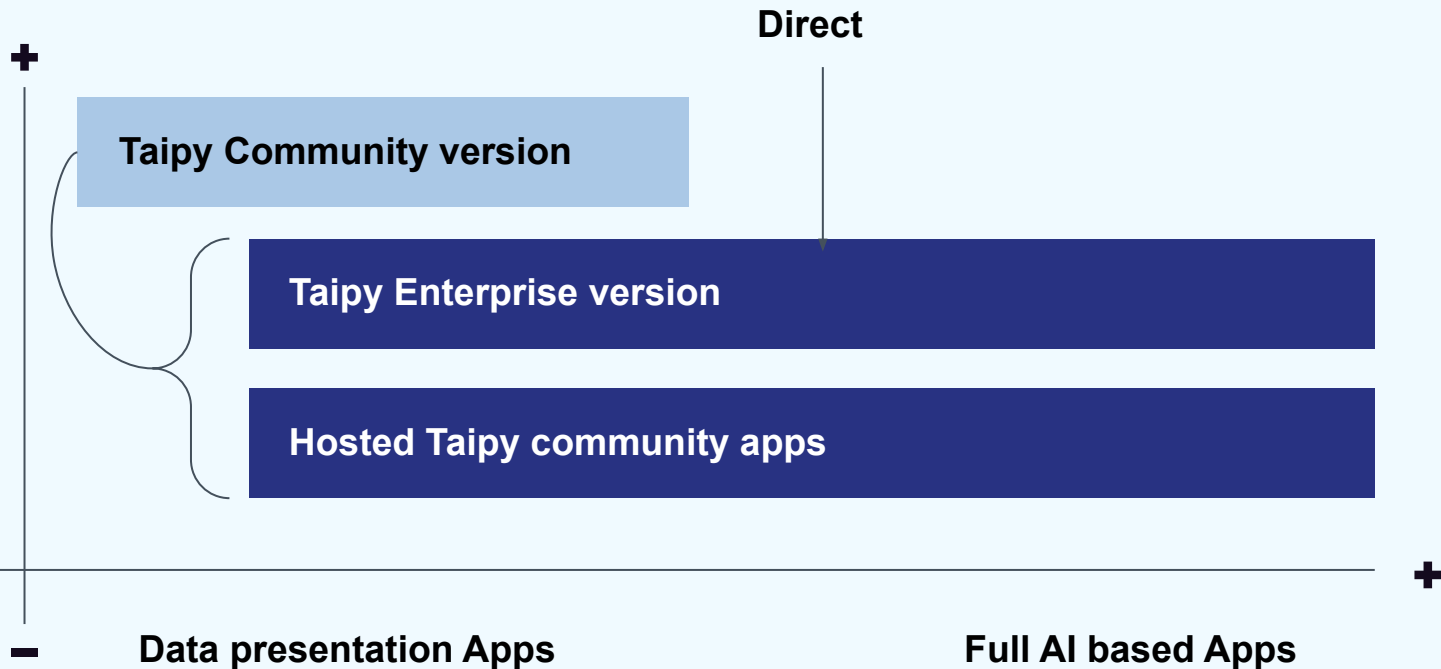
Annual subscription:
Deployment on servers, User
Profiles, Security, Enterprise
LDAP, Scalability, Robust
Restart, Product Support, etc.
From 30K/Year to 100k/year.

Customer engagement model

Company size

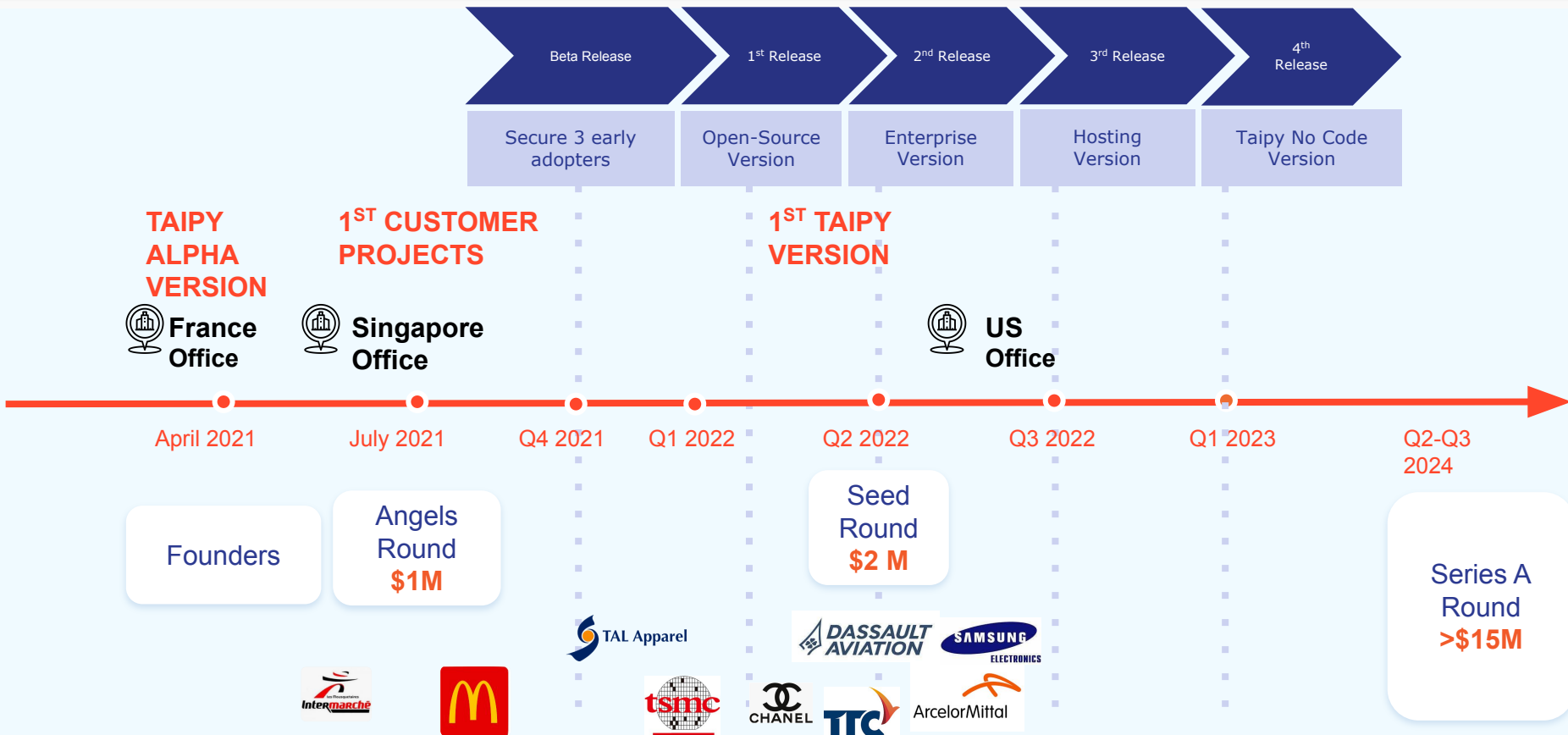
Large Companies
(IT Dpt, Innovation Group, Data Science Dpt)

SMEs
(No IT)



Application complexity

Product roadmap



Enterprise licence

Distributed Deployment

Support LDAP, AD

End-User Profiles

Robust Job Recovery

Support



1

Taipy is the only low-code **AI Application Builder for Data Scientists (Python)**

2

Taipy **takes away the complexity of building production-ready software** by providing all the required software bricks: full-scale Graphical Interfaces, Scenario Management, Multi-User, Business Process Modeling, Deployment in Production, etc.

3

Taipy will be **used by the large community of Python developers and Data Scientists.**

4

Taipy **decreases dramatically the time & costs** of productizing AI pipelines/algos

5

Taipy brings true monitoring of ROI & Algo Performance

6

Taipy is the only tool that supports both Predictive AI and Prescriptive AI

Avaiga's international management team brings together proven leaders with deep industry & domain expertise



Vincent Gosselin – Co-Founder, CEO

30+ years as **AI specialist** with **ILOG, IBM**

Created 3 successful AI based companies

Msc Comp. Science & AI, University Paris-Saclay



Albert Antoine – Co-Founder, COO

15+ experience in business development for AI software

Launched AI companies to **Asia Pacific Market** – e.g.:
Dataiku, Digimind

SLOAN MIT/USA



Dr Andy Chun – Technical Advisor, AI Evangelist

30+ experience as **AI specialist**

Influent AI Evangelist (guest at **TedX** conferences,...)

Recipient of several **AI awards**

PhD, University of Illinois Urbana



Dr Jean-Robin Medori – Director R&D Back-End

10+ years of experience as **Data Scientist & Senior Architect**

Designed platforms such as **IBM Decision Optimization Center**

PhD in Data Science



Fabien Lelaquais – Director R&D Front-End

30+ years of experience as Head of **Graphical Platforms** for ILOG, IBM & RogueWave

Expert in all aspects of front-end **GUI visual** developments



David Swafford – VP Business Development

30+ experience in developing AI markets for (ILOG, IBM)

Top One Sales VP for ILOG and IBM

Successfully opened **tier one accounts**: Oracle, Manhattan Associates, Sabre Technologies, Dassault, SAP, etc.

Our direct competitor Streamlit.io

Our product offers more functionalities and is more powerful.

2019: Launch of Streamlit

2021: Series A + B (> 50M)

2022: Acquired by Snowflake for 800M

	Streamlit	Taipy
Python-centric Open Source Business model	✓	✓
Support for Enterprise version	✓	✓
Graphical scalability and performance	No	✓
Support for big/large data	No	✓
Support Business Scenario Management	No	✓
Pipeline Management	No	✓
Support Predictive AND Prescriptive Analytics	No	✓
Support full application deployment	Very limited	✓

AI Business Applications

AI Consumer Applications

Operations

Manufacturing

Sales Forecast, Inventory Optimization, Supply Chain Design, Supply Chain Planning, Master Planning, Product Design, etc.

Retail

Sales Forecast, Assortment Planning, Inventory Optimization, Staff Planning, Store Replenishment, Employee Churn, Cash Flow Optimization, etc.

Logistics

FTL Route Optimization, Activity Prediction, Warehouse Staff Recruitment, Warehouse Location, etc.

Service Industry

Asset Optimization, Manpower Planning/Scheduling, Maintenance Planning, Customer Attendance Predictions, etc.

Finance Industry

Collateral Optimization, CashFlow Prediction, ATM Cash Management, Portfolio Optimization etc.

Telecommunication Industry

Network Deployment Optimization, Routing Optimization, Frequency Allocation, Technician Dispatching, etc.

Defense

Convoy Planning, Supply Chain & Mission Planning, Surveillance Ops, etc.

B2B

Manufacturing

Price Optimization, Inventory Planning, Integrated Supply Chain Design & Planning, Sales Forecast.

Retail

Vendor Price Optimization, Warehouse Replenishment, Order Planning, etc.

Logistics

Inbound Logistics Planning, Transportation Planning, Inventory Optimization, Price Optimization

Media

Ad Scheduling, Audience Prediction, etc.

B2C

Product Recommendation, Customer Churn, Speech Recognition, Customer Segmentation, Campaign Optimisation, etc.

Thank you !

Vincent Gosselin

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