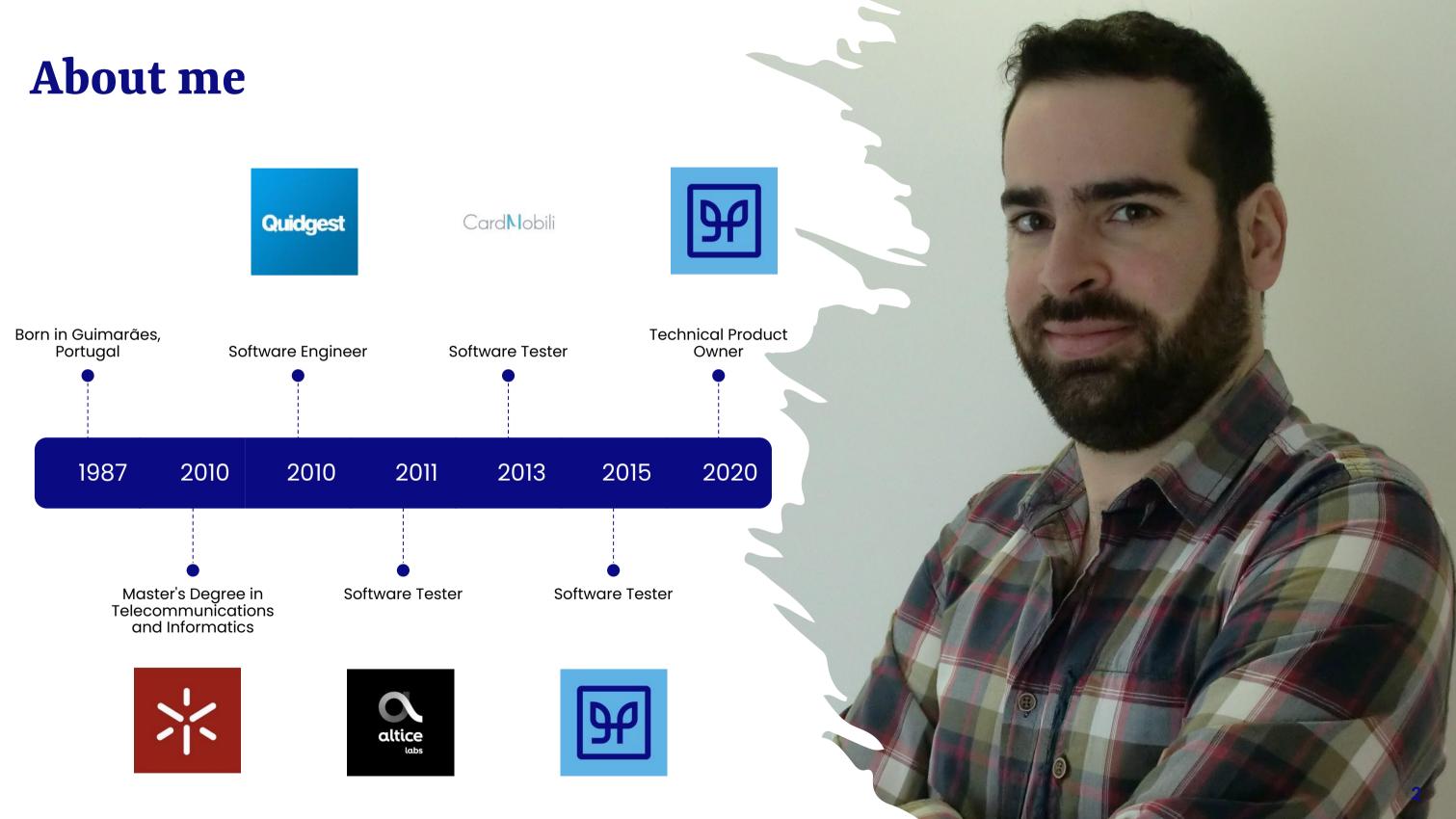


AI, the enabler of I-ERP Systems

Leandro Duarte, Technical Product Owner

10.2022



Primavera's Group in 2022



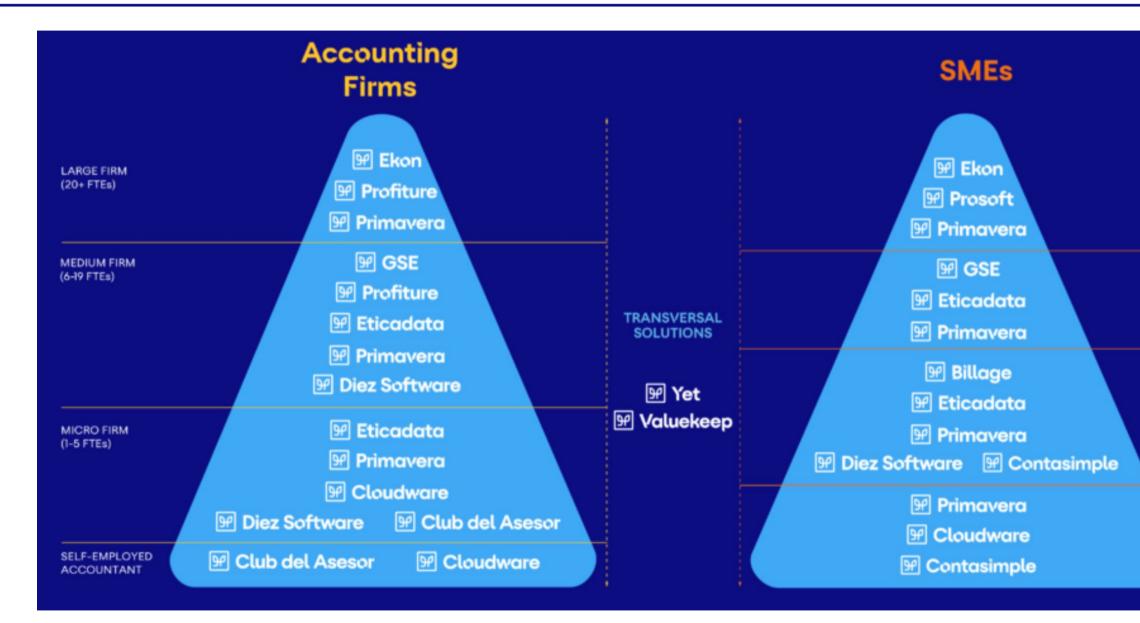
Revenue 78M€ Clients +165,000

Accountants +24,000





Context





MEDIUM COMPANY (50+ FTEs)

SMALL COMPANY (10-49 FTEs)

MICRO COMPANY (1-9 FTEs)

FREELANCERS & SELF-EMPLOYED

Goals



- Increase productivity
- Take better decisions

- Help the group to
 - Take data-driven decisions
 - Know the behavior of our customers







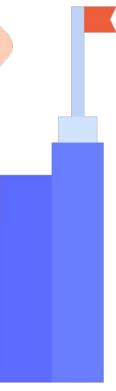
Challenges

- Multiple configurations in ERP
- Many companies
- Numerous data sources
- Multiple data models
 - Accounting
 - Human Resources



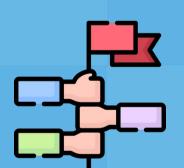


...



What is Carbon?













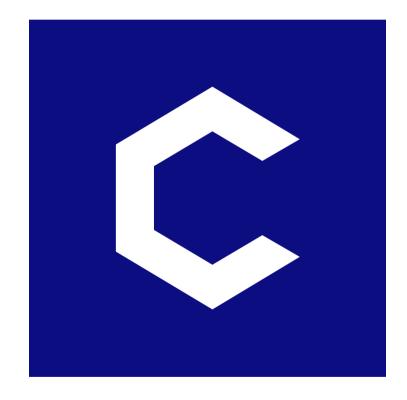
Carbon is mainly an enterprise data strategy for a business community of products and companies.

That's why we can't buy it from a vendor.

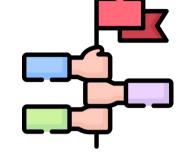
It mostly depends on the level of adoption of the organization and then on the technology platform.



What is Carbon





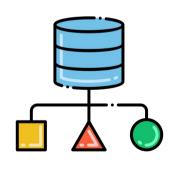




Vision







Ref. Data Model



Ref. Arch.



Data Factory



Visio Motivation



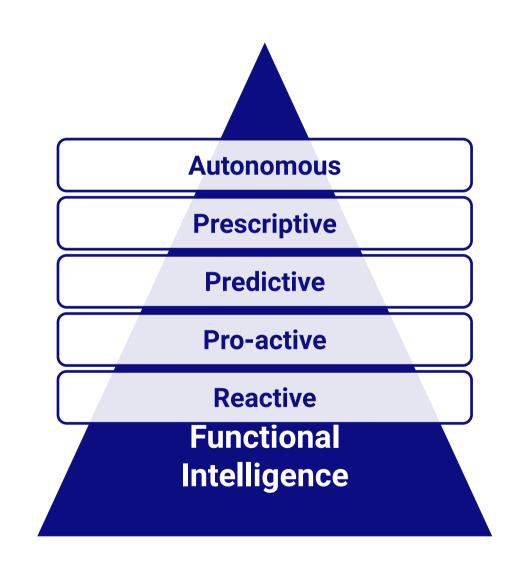


Carbon Vision

How to build intelligent software ... far beyond the basics?

"Our vision is to provide a solution where the manager comfortably supervises the autonomous system that runs his business"

Data is the fuel of that solution; it provides the power that is required to build intelligent features.





Carbon Vision

We need an Enterprise Data Strategy

Traditional Company

Business Management

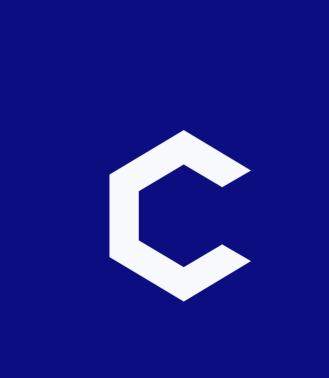
- _ Sales, Leads
- _ Contracts, Accounting
- _ Customers, Suppliers
- Contacts, People
- _ Service Ticketing

Products / Customers

- _ Product Usage
- _ Sales, Leads, Accounting
- _ Customers, Suppliers
- Users, People
- _ Tax, Legal

Partners / Worldwide

- _ Public Stats, Gov, Auth.
- __ Economic, Financial
- _ Partnership Services
- _ Common Data



POWERED BY Carbon Data Factory

Intelligent Company

Business Management

- _ Sales Opportunities
- _ Sales Predictions
- _ UX/CX Insights
- __ Process Automation
- _ Product Quality

Products / Customers

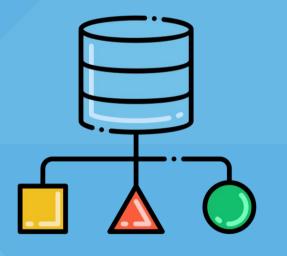
- __ Augmented Reports
- _ Business Insights
- __ Metrics and KPIs
- _ Automation
- _ Assistance
- _ Validation

Business Partners

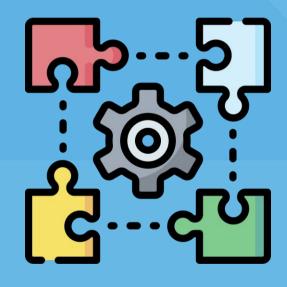
- _ Shared Data
- _ Community, Collaboration
- __ Business Opportunities







Carbon References

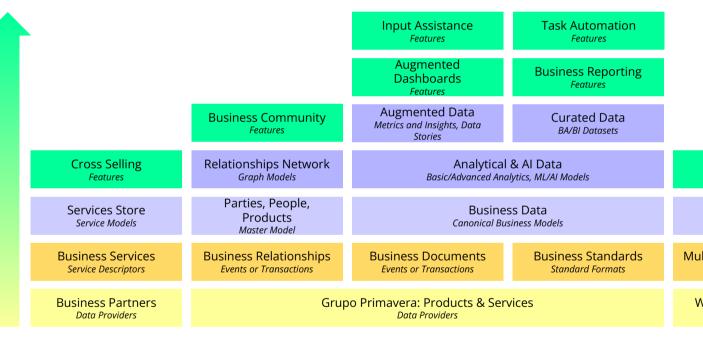




Carbon Data Model

It follows this **Reference Data model**

This diagram shows the data stack we can build from various data sources, increasing its value from level to level, returning valuable data as a product itself, or using it to leverage smart features of our community of products.

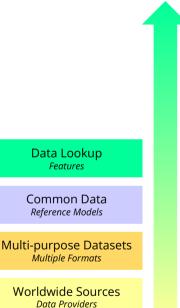


RAW DATA

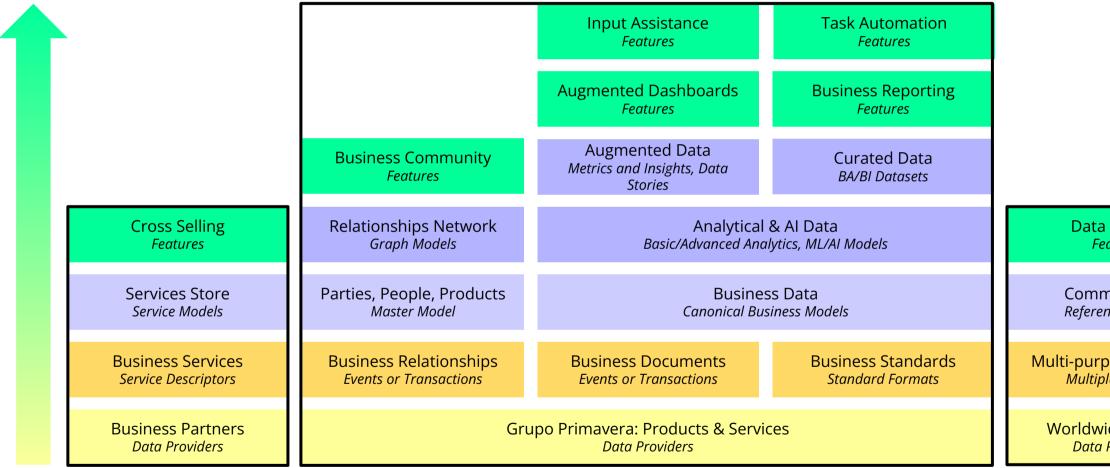
SMART FEATURES







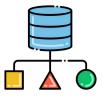
Carbon Data Model



SMART FEATURES



RAW DATA



Data Lookup Fegtures

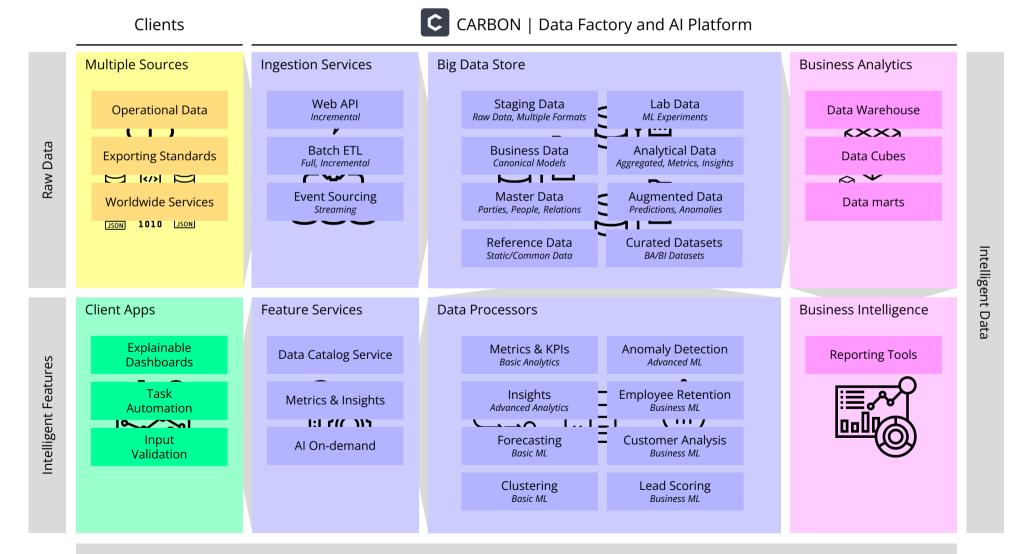
Common Data Reference Models

Multi-purpose Datasets Multiple Formats

Worldwide Sources Data Providers

Carbon Architecture

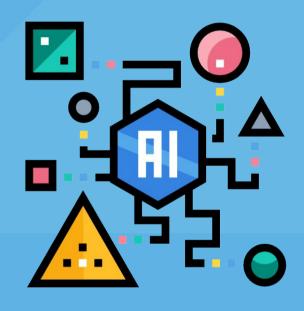
It follows this **Reference Architecture**





Data Governance





Features and Capabilities



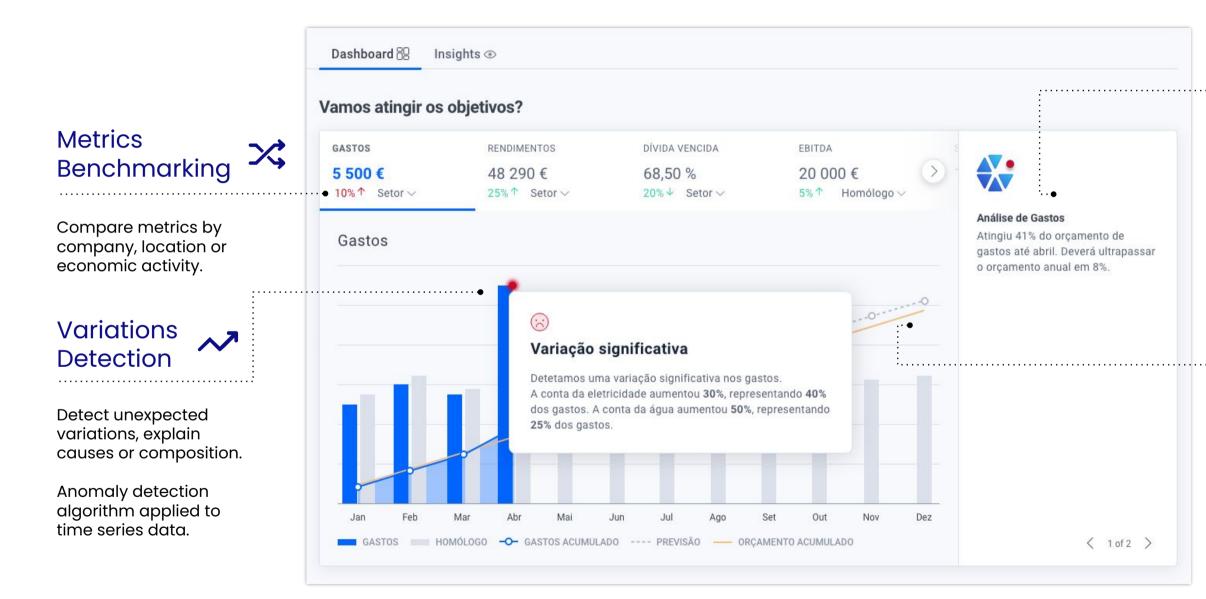


Augmented Dashboards

*"***70% of enterprises view advanced analytics as a critical strategic** priority, but only 10% actually believe they're achieving anywhere near the full potential value of those analytics." – Chris Brahm



Augmented Dashboards







Summary of the situation presented in the graph.



Data projection and forecasting algorithms.

Business Report

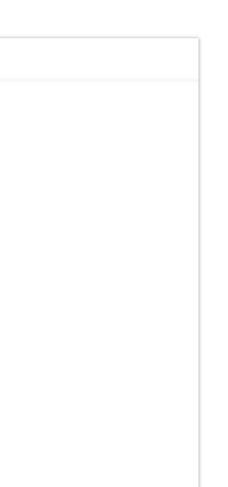




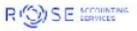
Business cases

Accounting Report, ROSE AS





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Contabilidade XYZ



Olá Manuela Oliveira,

Conheça o relatório de gestão da empresa Manuela Oliveira, Lda. relativo ao periodo de 01/04 a 30/04.

R

Boa tarde Dr.ª Manuela,

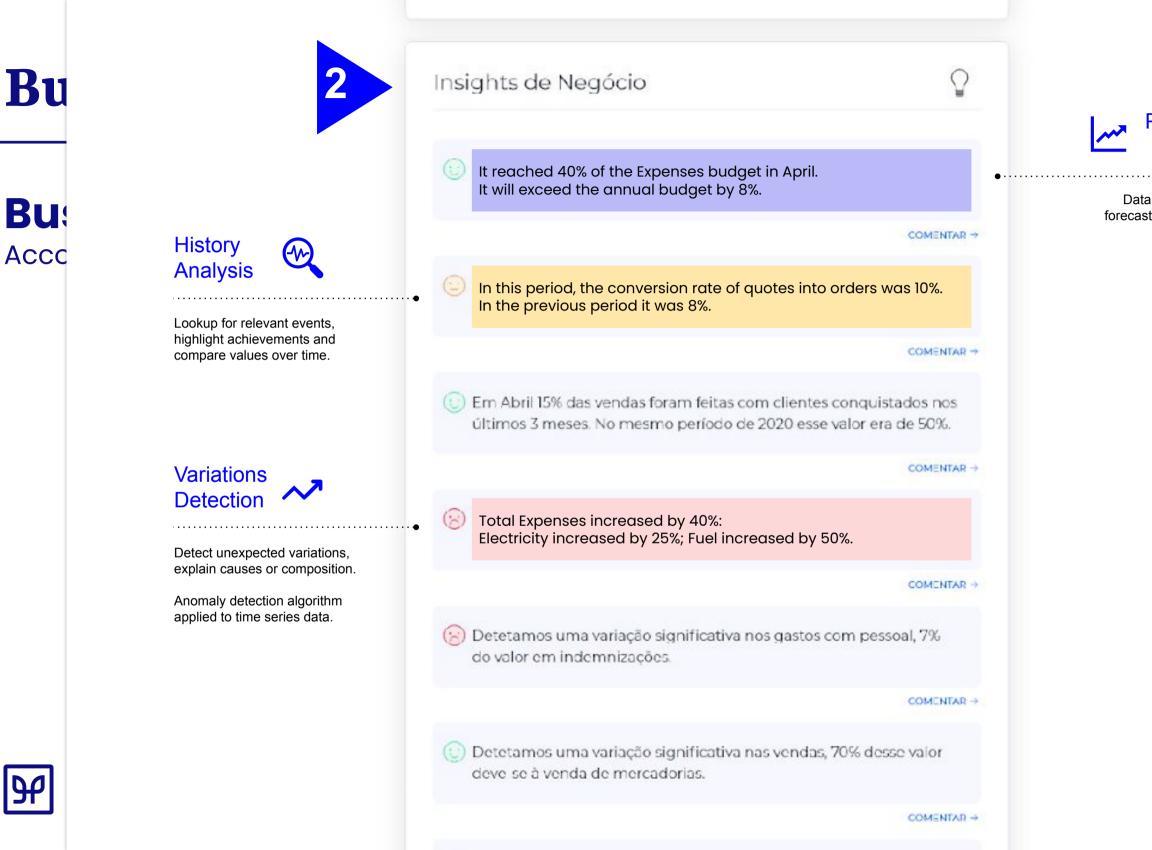
Espero que se encontre bem. Aproveito para lhe dizer que estamos a analisar o novo programa de incentivos para PMEs que val abrir em Junho. Qualquer dúvida, estou ao dispor. - Henrique Bastos



Obrigações			
Tipo de Obrigação	Valor a Pagar	Pagar até	
NA	4 606,00 €	20/05/2021	
Segurança Social	4 150,75 €	20/05/2021	
Retenções	3 324,06 €	20/05/2021	
Fundo de Compensação	35,00 €	20/05/2021	







Predictive Analysis

Data projection and forecasting algorithms.

Bu

Bu Accc

Performance 稟 Analysis

Temporal: Previous, Homologous Community: Company, Sector, Region

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	□[(€)	esempenho	ndicadores de D
	FORNECIMENTO DE SERVIÇOS EXTERNOS	GASTOS COM PESSOAL	VENDAS E PRESTAÇÃO DE SERVIÇOS
	21 305.05 €	110 825,79 €	248 742,24 €
Related Metrics	Viēs Anteriar Hamólogo 57,78% - 11,73% - Setar Vendes	Més Anterior Homólogo 10,03 % • 6,17 % • Seror Vendes	Más Antanor Horsólogo 87,86% • 39,53% •
Compare related metrics or key performance indicators	5,00% * 8,57%	8,00% * 44,55%	20,00% *
_ Reference	L'QUIDEZ GERAL	EBITDA	CUSTOS DAS MERC. VENDIDAS E DAS MAT. CONSUMIDAS
Metrics	3,61 Min. 0,2	116 624,02 €	- €
Benchmarks or business rules about good and bad performance	Capacidade que uma empresa tem de horirar com as suas obrigações de curto e longo prazo.	Més Anterior Homólogo 150,61% 175,00 % Setor Margem 16,00 % 46,89 %	Més Anterior Hornólogo - % - % Setor Vendas - % - %
	PRAZO MEDIO RECEBIMENTOS	PRAZO MEDIO PAGAMENTOS	AUTONOM A FINANCEIRA
	15 dias	30 dias	0.74 Min. 0.2



Related **Metrics**

Reference **Metrics**

Lessons Learned







You cannot buy **YOUR** data strategy from any technology vendor.



Very expensive and it's one solution for each problem.



Do it in **your way**.



"We have no data!"



No historical data, or it's not accessible, or is not ready to consume.



Go for it – wherever it is, meanwhile use synthetic data.



Companies take decisions based on assumptions.

Does not have reliable data or deny data output.



Create a data-driven company **mindset** to take better decisions.

Travel for a success **Al strategy** is complex and twisted.



Convince stakeholders, a different team mindset and a rapidly changing technology.



"By failing to prepare you are preparing to fail." – Benjamin Franklin



Raise your hand please!

After the session, please fill out this form to send me your feedback.

Thank you!



leandro.duarte@primaverabss.com Imfduarte@gmail.com



https://forms.office.com/r/EAGJBTaRUG

