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Welkom

Renewable Enterprise with SAP

BTP

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Capgemini



THE RENEWABLE ENTERPRISE

VNSG Focus Online 11-11-2021 - Claire Knoester & Maarten Stam



TOPICS

1

Extending SAP in the classic way

2

Becoming Renewable

3

How your platform matters for sustainability

4

SAP BTP in practice: the good and the bad

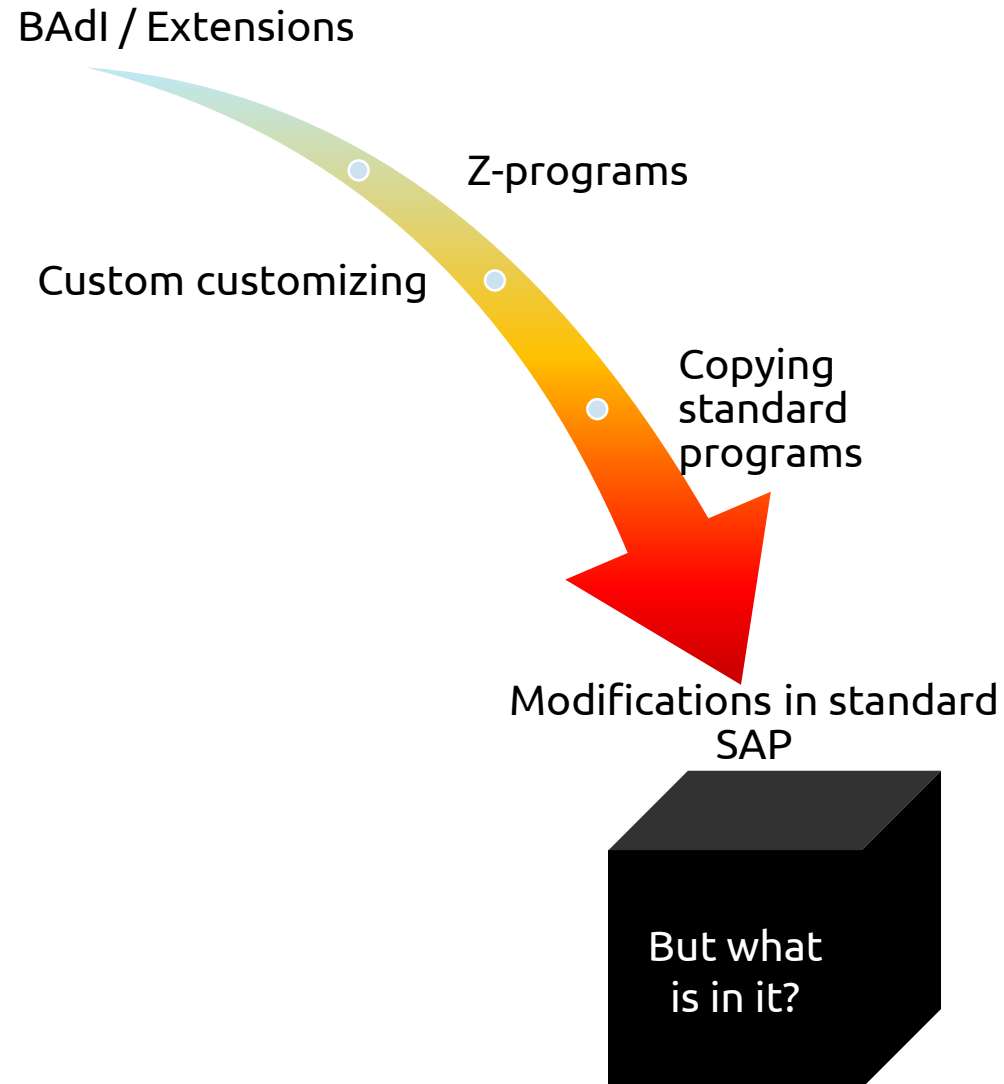


EXTENDING SAP IN THE CLASSIC WAY



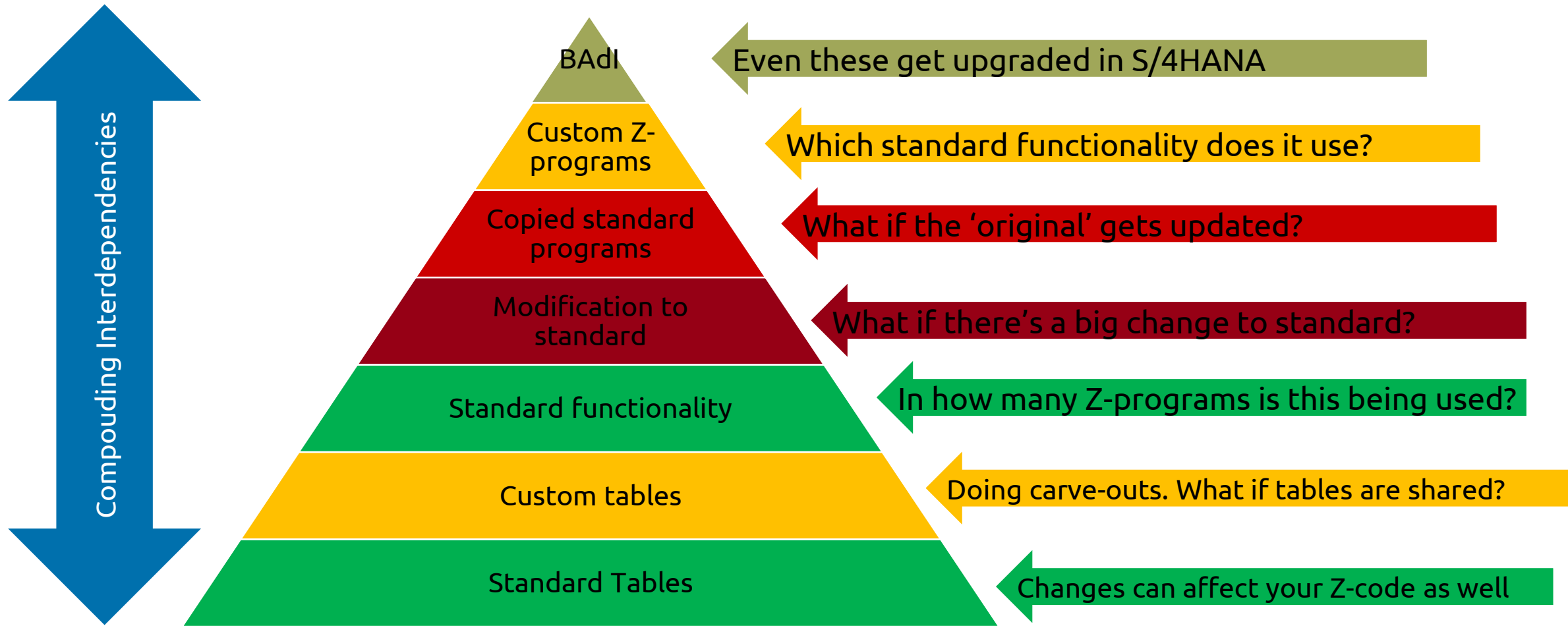


TRADITIONAL SAP EXTENSIONS – ADDING MORE TO A BLACK BOX





TRADITIONAL SAP EXTENSIONS – THE REALITY OF CUSTOM CODE



Not to mention (custom) Data Dictionary, iDocs, Smartforms, Web Dynpro, Adobe Forms, etc



BECOMING RENEWABLE





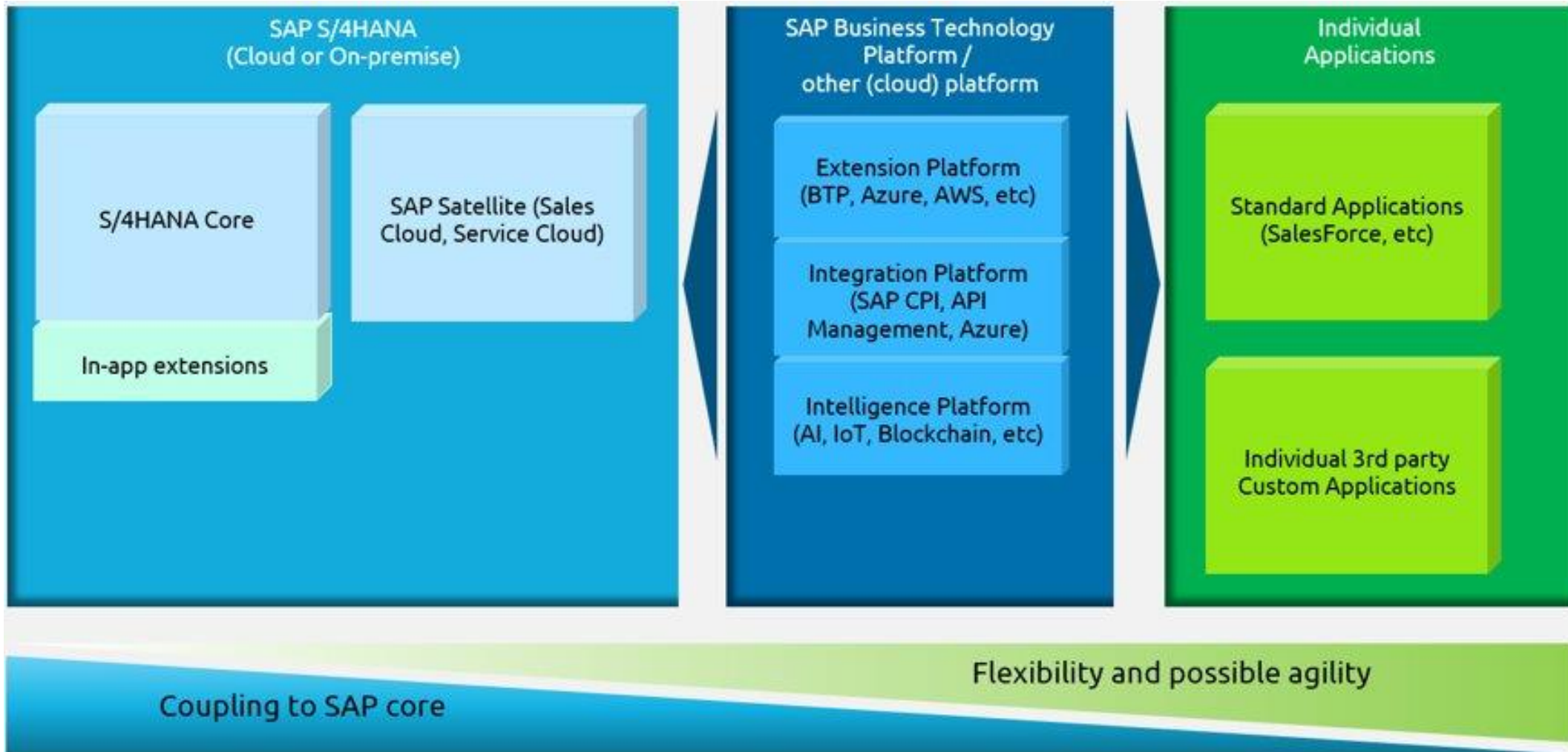
BECOMING RENEWABLE

1. **Standardize** what doesn't help you stand out, such as *S/4HANA core processes & system integrations*
2. **Host** important **custom solutions** as separate **web-apps**
3. **Quickly** try out **innovative ideas** and **new business models**
4. **Transform** processes to work on **sustainability** goals
5. **Get rid** of what **doesn't work**
6. **Use intelligent technologies** like **Internet-of-Things** and **Machine Learning**

This is possible with a **cloud platform** for your SAP extensions

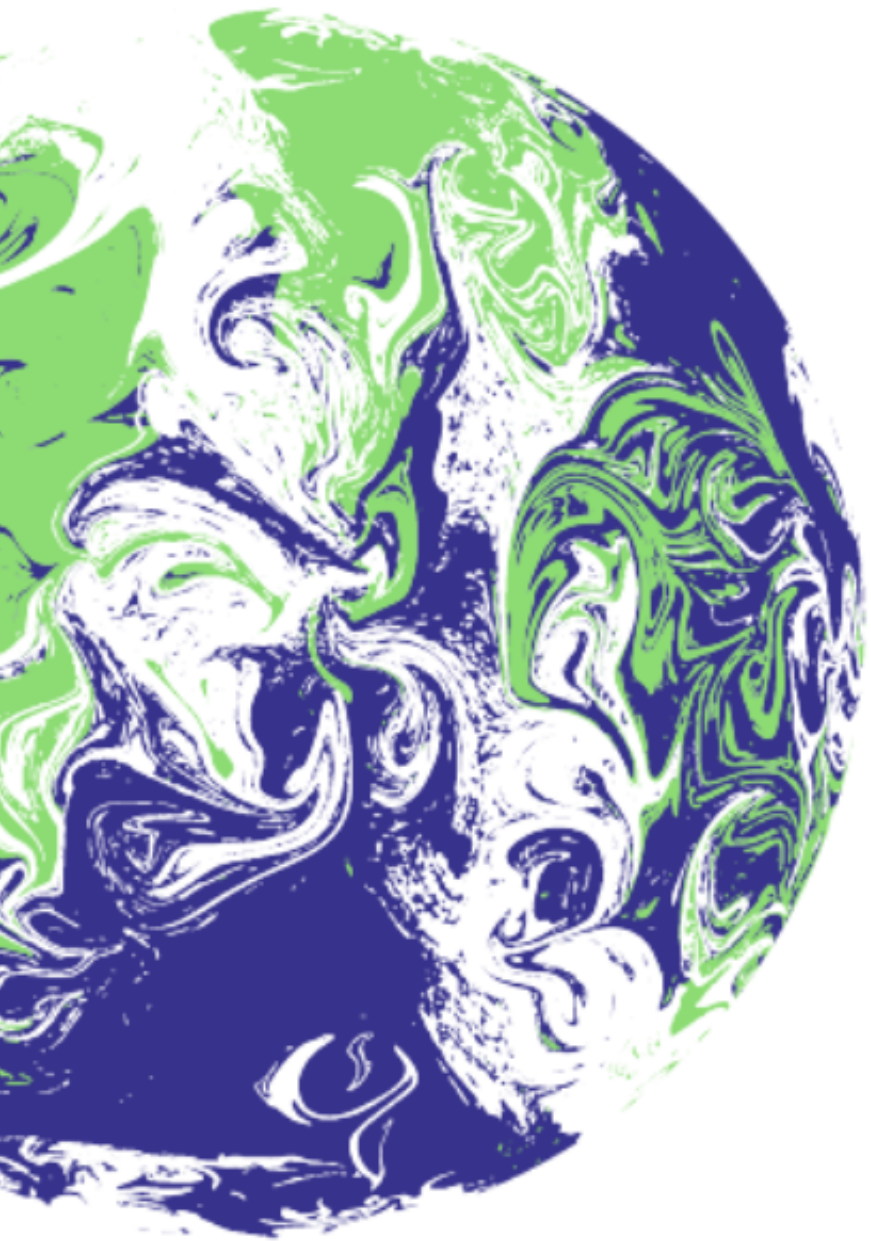


IN TECHNICAL DETAIL





HOW YOUR PLATFORM MATTERS FOR SUSTAINABILITY



UN CLIMATE CHANGE CONFERENCE UK 2021

IN PARTNERSHIP WITH ITALY

IS YOUR PLATFORM FLEXIBLE ENOUGH TO MEET YOUR SUSTAINABILITY GOALS?

Classic SAP has the right data to measure your sustainability goals, yet provides little functionality to practically do this.

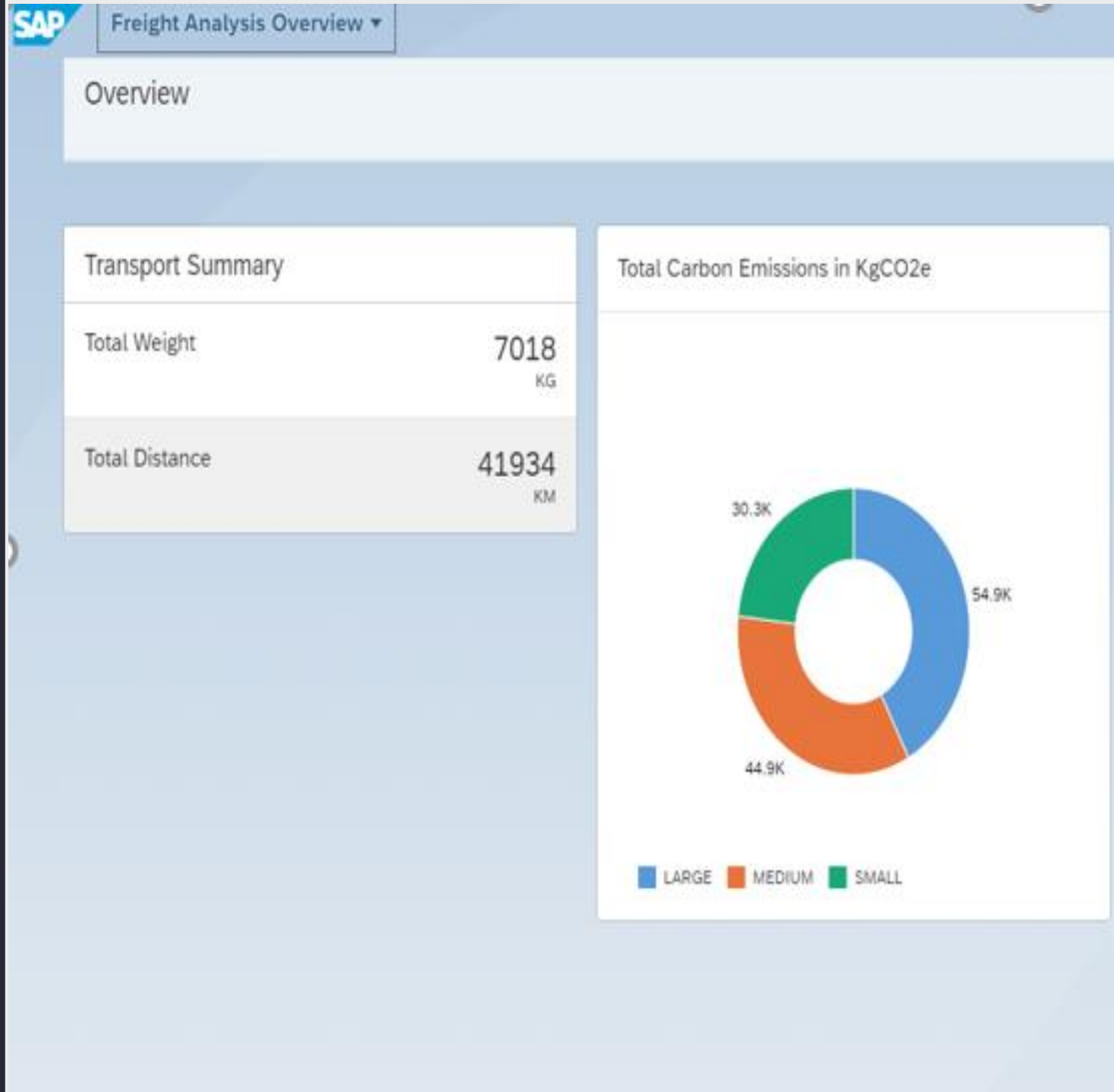
The SAP Business Technology Platform provides the flexibility and scalability to develop innovations around sustainability



MEASURING CARBON FOOTPRINT WITH SAP BTP

Capgemini has the goal to help clients come more sustainable.

Because of this, we have built a portfolio of innovative sustainability apps on BTP: to help our clients rapidly innovate around sustainability

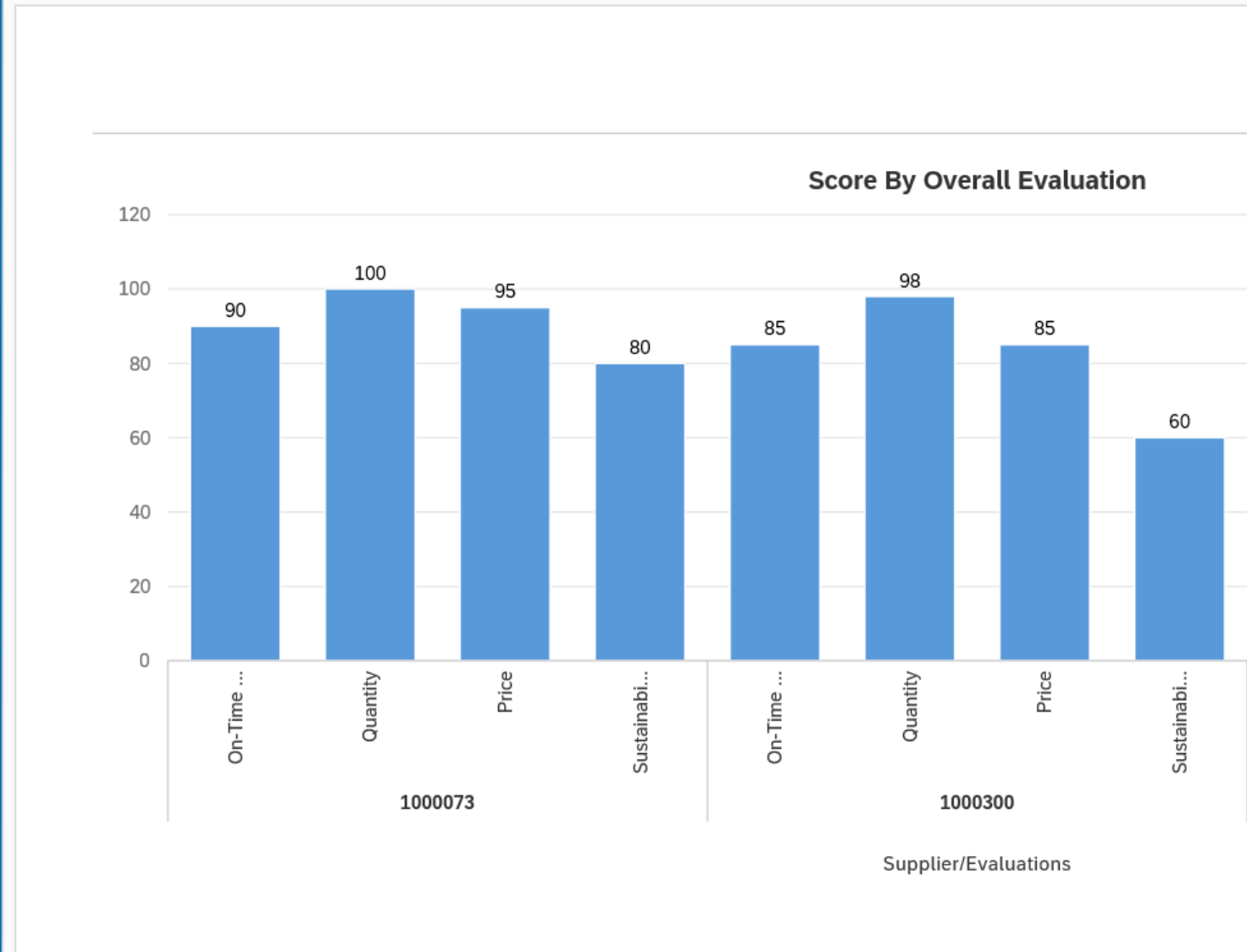


HOW DO YOUR SUPPLIERS SCORE ON SUSTAINABILITY?

“We firmly believe that a sustainable future is achievable only with deep industry-wide collaboration with our clients, suppliers, and other stakeholders.”

– Aiman Ezzat, Group Chief Executive Officer, Capgemini

Show All



Price Quantity On-Time Delivery Sustainability Ranking

SAP BTP IS JUST THE BEGINNING

You will need more than apps on the SAP BTP to meet your sustainability goals.

To become a true Net Zero business, you will need to transform your business.



See for yourself!



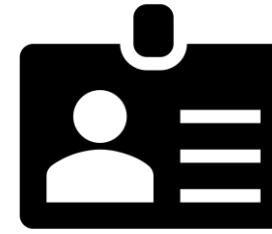


SAP BTP IN
PRACTICE:
THE GOOD
AND THE BAD



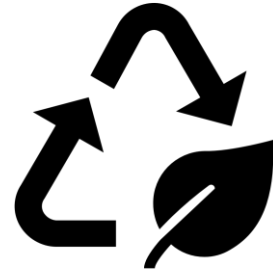


Standard integrations

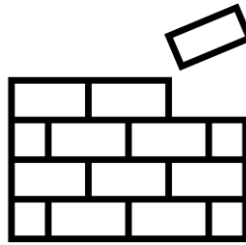


Authorization

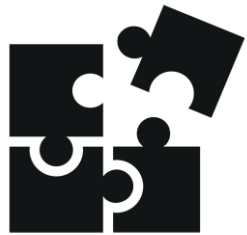
Sustainability



Subaccount setup



App development

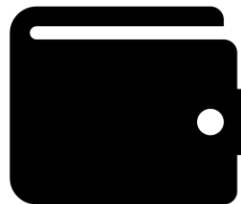


Service upgrades

New Technology



License model





WALL OF SHAME

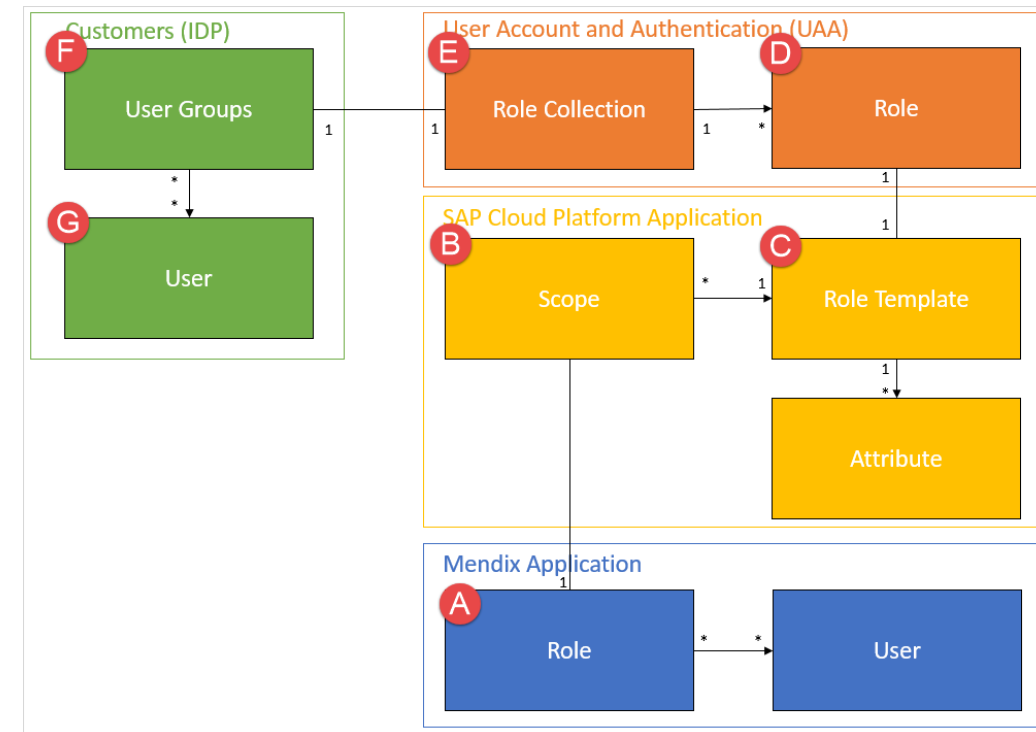




WALL OF SHAME – AUTHORIZATION IS COMPLEX

- **Authorization** to **see** and **do** things in BTP is split between:
 - Authorization for **configuring** BTP **platform** services (**UAA**)
 - Authorization **for, and within** the different **services/apps** running ON the BTP (**XSUAA**)
- Difficulties are in the details:
 - Having one app **'talk'** to the other with right **authorization**
 - Not having the right **authorization** for the platform makes certain menus **invisible** to you.
 - Making **connections** between **IDP** and the **BTP** relies on some 'free text' fields. Check for typos!
 - Every **service / app** comes with its **own roles**. Make sure to work with a **'Cloud Admin'** to set these roles right!

The platform doesn't tell you when you don't have authorization. Things will simply not be visible



Source: <https://docs.mendix.com/partners/sap/use-sap-xsuaa-connector>



WALL OF SHAME – THE DIFFICULTIES: GETTING A GRIP ON COSTS

- For 'pay-as-you-go' each service has their own model.

- (source <https://www.sap.com/products/business-technology-platform/price-list/estimator-tool.html> on 08/11/2021)

Service	License model
SAP Integration Suite	<ul style="list-style-type: none">- Per 10 messages, <i>or</i>- Fixed price per month
Workflow Management	<ul style="list-style-type: none">- Per user (user price depends on total users)
SAP BTP Cloud Founry Runtime	<ul style="list-style-type: none">- Per GB of memory used
SAP Internet-of-Things	<ul style="list-style-type: none">- Per 'capacity unit' used (minimum 425)
Business Partner service	<ul style="list-style-type: none">- Per 1000 API calls + storage in GB



WALL OF SHAME – SERVICE UPGRADES

- BTP services are **frequently updated** (great!), but it's not always clear when and how. Here are two examples:
 - Some years back, some **data** in our **IoT instance** suddenly **disappeared**. After a lot of searching, we found it was due to an **error** in the **upgrade process**. Luckily, the data could be **recovered**.
 - The upgrade to '**feature set B**' for Cloud Foundry subaccounts resulted in **blocking** our **developers** from **deploying apps**. It turns out that **authorization** had been made **stricter**. Make sure to have a few '**Cloud Admins**' ready to step in!
- Information about service maintenance is not centralized. Luckily, SAP provides a **subscription service** to be notified of upgrades of certain BTP services :
 - <https://launchpad.support.sap.com/#/csns>



WALL OF SHAME – SUBACCOUNT SETUP

- BTP uses **Global Accounts** and **Subaccounts**.
 - BTP '**Global Accounts**' are mainly **administrative** units determining usage quota for activated services
 - Subaccounts represent real pieces of **hyperscaler** server space around the world
- For the setup of these subaccounts, a lot of choices need to be made
 - Running on a hyperscaler (**Cloud Foundry**) or on SAP's own cloud (**NEO**)
 - For Cloud Foundry, choosing a hyperscaler (e.g. **Azure, AWS, GCP, Alibaba**)
 - For the hyper scaler, determine which server location (**Europa, America, Asia**, etc)
- How many **subaccounts**, and how to use them together, e.g.
 - Shared subaccount for running a 'heavy' service like HANA Cloud ?
 - A Subaccount each for **Development, Test, Acceptance** and **Production** ?
- Migrating **NEO** subaccounts to **Cloud Foundry**



WALL OF FAME





WALL OF FAME – STANDARD INTEGRATIONS

- Through **api.sap.com**, there is a growing list of **whitelisted** integrations and **API's**
- Using **whitelisted integrations** and **API's**, you can consume functionality from a diverse set of sources within your custom app.
 - S/4HANA
 - HANA (Cloud)
 - SAP IBP / SAP TM / etc
 - SAP Analytics Cloud / Sales Cloud / etc
 - SAP SaaS (Ariba, Successfactors)
 - Third party systems
 - Intelligent technologies (IoT / Machine Learning)



WALL OF FAME – APP DEVELOPMENT

- Web-app and UX development
 - **Freestyle Fiori**
 - **Fiori Elements**
 - Mendix / **Low Code**
- Quickly build enterprise-ready apps
 - **SAP CAP**
 - **SAP RAP**
 - Bring-your-own-code
- Digital Process Automation suite
 - **BTP Workflow / Business Rules**
 - **iRPA**
 - **Signavio**

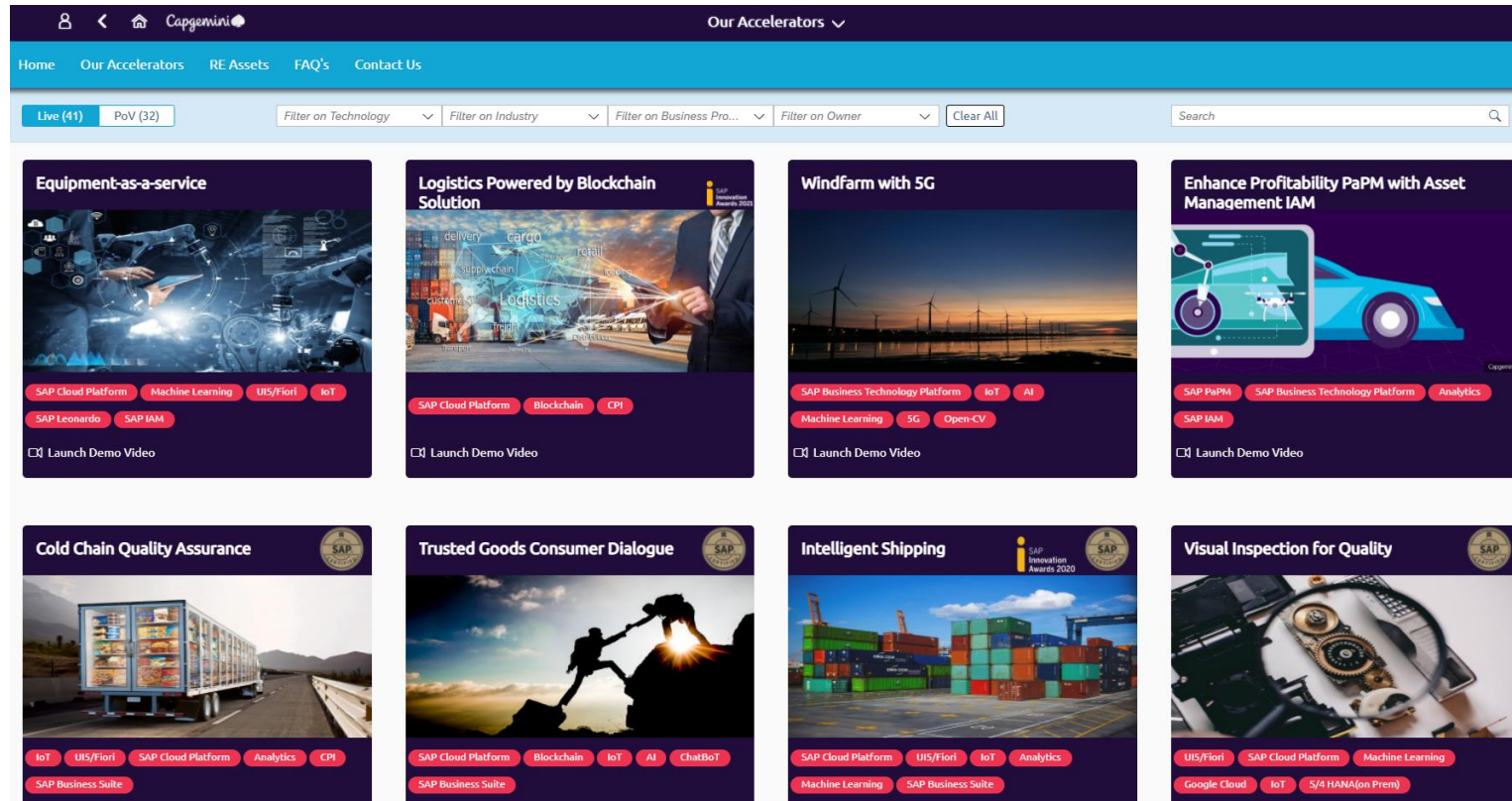


See for yourself!



WALL OF FAME – NEW TECHNOLOGIES

- Employing **newer** technologies such as **Internet-of-things, Blockchain** and **Machine Learning** is easier than ever. We know, because **we've used them!**



See for yourself!
(P- or S-user needed)

SAP BTP IS JUST THE BEGINNING

It's more than an app platform. The flexibility and scalability of SAP BTP allow you to create new business models and work towards your sustainability goals

Are you ready to become a
Renewable Enterprise?



About Capgemini

Capgemini is a global leader in partnering with companies to transform and manage their business by harnessing the power of technology. The Group is guided everyday by its purpose of unleashing human energy through technology for an inclusive and sustainable future. It is a responsible and diverse organization of 270,000 team members in nearly 50 countries. With its strong 50 year heritage and deep industry expertise, Capgemini is trusted by its clients to address the entire breadth of their business needs, from strategy and design to operations, fuelled by the fast evolving and innovative world of cloud, data, AI, connectivity, software, digital engineering and platforms. The Group reported in 2020 global revenues of €16 billion.

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Bedankt voor je deelname

Bekijk op www.VNSGFocusOnline.nl welke sessies er nog meer zijn!

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