ORACLE

Global Knowledge Discovery
Data, information and being human in 2022

Duncan Harvey

Vice President Strategic Technology Programmes

Oracle Technology

Europe Middle East & Africa

Striving for better and unlocking knowledge

Achieving knowledge requires relevant data

Our imagination still warns us to be careful

There remain a few challenges…

Data lineage and provenance

Trusting in the data we have is key to deriving valuable knowledge from it

Data Privacy Security and Encryption

Finding the right needle in the right haystack

Leveraging time sensitive knowledge

Oracle Red Bull Racing – An Award-Winning Partnership

Race Strategy

Using Oracle Cloud Infrastructure, the team runs billions of race simulations to execute race day strategy

Young Driver Development

Red Bull Advanced Technologies are applying Oracle AI and Machine Learning solutions to develop the next generation of drivers

Fan Experience

Oracle's suite of CX tools have helped Oracle Red Bull Racing launch a first of it's kind loyalty program, "The Oracle Red Bull Racing Paddock"

WATCH THE VIDEO

SAIL GP™

SailGP uses Oracle to power team performance and fan experience

WATCH THE VIDEO

Match Insights

Average Position

This insight tracks the positions of all players in and out of possession and highlights the different ways teams organize themselves when attacking and defending.

Win Probability

Using four years of match data, Win Probability shows the chance a team will win or draw by simulating the remainder of the match 100,000 times.

Goal Threat

As the match ebbs and flows, this statistic tracks how likely the team in possession is to score a goal in the next 10 seconds based on data from thousands of historical games.

What is the common theme for these and the modern Enterprise ?

We all want to find our extra knowledge through competition
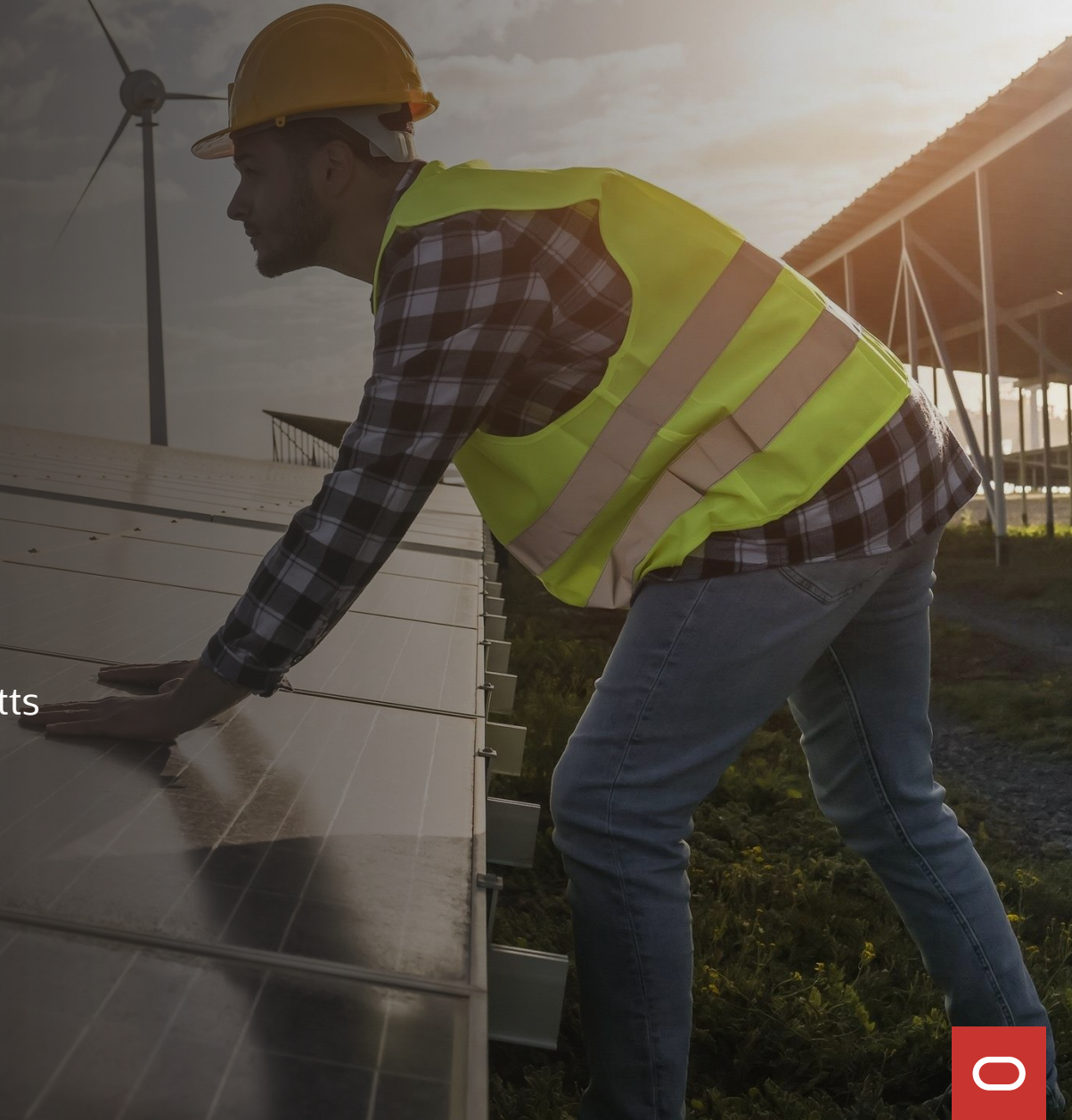

Speed

Scale

Significance

|---Security --|

GPAS | Global Pathogen Analysis System

Fast, secure, and standardized global genomic data

nationalgrid

National Grid helps reduce UK carbon emissions with Oracle Cloud

- Multinational utility company targeting a zero carbon electricity system in the UK by 2025

- Needed to upgrade machine learning solution to better analyze weather patterns for renewable energy

- Machine learning on OCI is 40% more accurate than previous solution

- NVIDIA Tesla GPUs on OCI run 125 teraflops at ~300 watts (fraction of energy as a stove top)

- Reduced query time from hours to minutes

Deutsche Bank

Deutsche Bank deploys Hybrid for better insights

"Data is fundamental to how we manage our operations, anticipate the needs of our customers, and design new products and services. Our collaboration with Oracle to modernize our databases will play an important role in our overall technology transformation.

Our applications supported by Oracle Exadata Cloud@Customer will benefit from a platform with the flexibility to adapt and scale critical services at speed, as well as derive better data insights. In the process, we will simplify and modernize our technology environment, save the bank significant costs, and reduce energy consumption through consolidated servers."

Bernd Leukert
Chief Technology, Data and Innovation Officer, Deutsche Bank

44+ years of experience
helping customers manage
the world's most important data

Discovering new pharmaceuticals

Processing insurance claims after disasters

Simulating crash performance for new cars

Keeping hotel customers safe during stays

Exchanging currencies for foreign trade

Ensuring the electric grid is reliable

Improving diagnosis and resolution of illness

Protecting critical communications networks

Reworking restaurant operations to adapt to change

Increasing the speed and lowering the costs of construction

Adapting to supply chain volatility to keep up with demand

Detecting money laundering and reducing business risk

Supporting citizens through crisis

Making purchases available at curbside

It's too much for humans to handle

Autonomous services allow focus on what matters

Eliminate human error

Eliminate downtime

Eliminate scaling complexity

Eliminate performance tuning

AUTOMATIC

Provisioning   **Online Patching & Updating**

Configuration   **Elastic scaling**
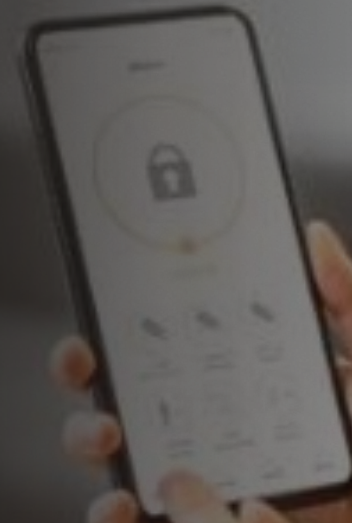
Encryption   **Tuning**

Data Privacy

Built in security by default

Automatic data protection

Auto detection and remediation

OCI Data Science

The Data Scientists' Team Workbench

Build, deploy, and manage high-quality models

Work with all the data you need for better results

Deliver trusted AI for the enterprise

Oracle - Meeting customers where they are

Public Cloud	Cloud@Customer	On-Premises Traditional
Exadata Cloud Service	**Exadata Cloud@Customer**	**Exadata**

Striving for better and unlocking knowledge

Oracle Technology

Helping us to win the race for Knowledge, together