

CYBER DIGITAL WORLD

NEWSLETTER

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Dr. Ronald Walcott
Managing Director

Digital Transformation: Modern Business Essentials Cont'd

In our last issue, we started to look at Digital Transformation. In this issue, we progress further into the fusion and integration of digital functionality into the modern business by looking at its roots.

INDUSTRY 4.0 AND WHAT IS IT?

The fourth industrial revolution is the move from individual computer-based machines to entire cyber-physical systems – where human beings share the working environment with robots, and where factories and other workspaces form entire networks.

These networks, using the Internet of Things (IoT), allow machines to communicate with each other, diagnose problems, and leverage big data to produce insights that lead to greater optimisation.

It brings with it new opportunities in artificial intelligence (AI), machine learning, virtual and augmented reality, and 3D printing – whether these are tools you use to optimise your business or become part of your offering.

In all cases, the fourth industrial revolution will not only continue to transform how we work but will likely lead to new, yet unknown products and services. Perhaps entire new industries.

Here are four ways the fourth industrial revolution can enhance your company:



1. Boosting productivity

If your place of work is connected, if potential maintenance or breakdowns are predicted and avoided, and if people and machines are working together in harmony – the outcome is higher productivity. Everything is more efficient when you have visibility over every aspect of your company, and when your processes are seamlessly integrated with suppliers and logistics.

2. New products/services

When new ways of working are used, innovation can flourish. While we are only now scratching the surface, 3D printing alone has already started to transform industries. Meanwhile, having the ability to create smart products – and do so more quickly, and at a higher quality thanks to continuous stringent quality control – means that you can

think more imaginatively. This only adds to your competitive edge.

3. Reducing costs

As we saw in Point 1, digital transformation increases productivity. At the same time, it is lowering costs by reducing downtime and streamlining operations through monitoring in real time. It also enhances efficiency and the allocation of labour.

4. Strategy

When you can take a step back, review your data, and get a full picture of how your business is operating, this positions you to make the best decisions for the future. Instead of operating on a certain level of as-

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**DIGITAL TRANSFORMATION:
MODERN BUSINESS
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**HEADLINE NEWS: HUAWEI:
ENERGY AND DIGITAL
TRANSFORMATION ARE
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PLANET'S FUTURE**

**FREQUENTLY ASKED
QUESTIONS**

UPCOMING EVENTS

sumption, you now have in front of you all components of your business and a map of how they interconnect.

WHAT DOES ALL THIS MEAN?

Put in simpler terms, the inclusion of technology allows your business to “learn”, essentially providing feedback on various areas where there may be shortcomings, wastage or simply a better way to execute a particular process. This saves time, money and allows your business to become streamlined to

achieve beyond what would have been thought possible.

Let’s look at another digital transformation service that we provide here at PCDS.

SAAS (SOFTWARE AS A SERVICE)

Software as a service (SaaS) is a cloud-based software delivery model in which the cloud provider develops and maintains cloud ap-

plication software, provides automatic software updates, and makes software available to its customers via the internet on a pay-as-you-go basis. The public cloud provider manages all the hardware and traditional software, including middle-ware, application software, and security. So, SaaS customers can dramatically lower costs; deploy, scale, and upgrade business solutions more quickly than maintaining on-premises systems and software; and predict total cost of ownership with greater accuracy.

Lower up-front costs	Eliminate the need for additional hardware and middle-ware.Reduce installation and implementation costs.Validate and correct errors before making updates to your master data.
Predictable ongoing costs	Eliminate unpredictable costs of managing, patching, and updating software and hardware.Turn capital expenses into operational expenses.Reduce risk with experts managing software and overseeing cloud security.
Rapid deployment	Get up and running in hours instead of months. Turn on and use the latest innovations and updates. Automated software patching.
On-demand scalability.	Scale instantly to meet growing data or transactional demands.Reduce disruptions while maintaining service levels.

HEADLINE NEWS:

Huawei: Energy and digital transformation are essential for the planet's future

Carbon neutrality signals both new challenges and opportunities for the global energy industry. During the Global Oil & Gas Summit 2021 recently held in Abu Dhabi, Robin (Yongping) Lu, Executive Vice President of Global Energy Business Unit of Huawei Enterprise BG, highlighted the importance of integrating energy and digital transformation to achieve carbon neutrality.

To do so, energy and technology industries need to collaborate, reinforcing each other’s strengths and exploring various industry scenarios.

“The oil and gas industry is facing fierce competition and severe challenges in the face of global energy

demand growth. Oil and gas companies need to leverage ICT technologies and management processes to increase reserves and production, and reduce operating costs while improving security,” said Lu.

As a leading global provider of ICT infrastructure and smart devices, Huawei provides solutions to help oil and gas companies build agile and reliable networks and data centres, amongst other projects. In the future, Huawei will continue to focus on the oil and gas industry, consolidate partners’ capabilities, further develop scenario-based solutions, and work with customers to create new value together.



“In the digital economy era, the key to sustainable development is how to better utilise data and maximise data value to deliver green, secure, efficient, and innovative services. Due to the complexity of service scenarios, the oil and gas industry needs to implement intelligence by cloud, edge, and devices in a hierarchical and layered way,” confirms Lu.



Frequently Asked Questions:

IS THERE A WRONG TIME TO TRANSFORM?

It depends on the marketplace, your budget, and your long-term strategy. However, the sooner the better. It's always best to stay ahead of the curve.

DOES DIGITAL ADOPTION IMPACT DIGITAL TRANSFORMATION?

Digital adoption includes the ability of users to use digital technology as expected and with optimum functionality. In essence, users are not restricted to a few basic features—no matter how advanced the tech may be, they are able to perform a function or procedure using a specified device.

To progress with a digital transformation requires digital adoption. Any business can buy the most powerful software with enough capital. But, for strategic objectives to be reached, the software must be fully utilized.

WHAT IS A DIGITAL SKILL?

Digital skill is an employee's wish and ability to use existing and emerging technologies in order to achieve improved business results. It covers qualifications and behaviors. The harnessing of this digital dexterity proficiency is a major step towards meeting digital transition objectives.

The most competent employees will be those who prove the capacity to learn and use new digital tools. Nonetheless, for most people, it is not an inborn talent to grasp enterprise software. Thus, an advanced approach to onboarding applications will remain a top priority.



Upcoming Events

HELSINKI, FINLAND: SLUSH 2021, DECEMBER 1-2, 2021

World's leading start-up event with 150+ speakers and 8,800 attendees, Slush 2021 brings together the most ambitious startups worldwide, connecting them with leading investors, industry executives, customers, media, academia, and future talent.

#Slush2021 welcomes you to the Entrepreneurial Renaissance!

ZURICH, SWITZERLAND: NOAH ZURICH 2021, DECEMBER 6-7, 2021

Digital, Sustainable and Profitable – With line-up of 250+ sustainability champions and 17 000 attendees, this surely is a must attend event.

Focus: Sustainability
#NOAHConference, #WeDontHaveTime

FRANKFURT, GERMANY: CLOUD EXPO EUROPE FRANKFURT, DECEMBER 8-9, 2021

Europe's biggest Cloud Expo meet up in Messe Frankfurt with 100+ speakers, this event for sure is a contender!

Focus: IoT, Digital Transformation
#ceef

FLORIDA, USA: SMART CITY EXPO MIAMI – SUSTAINABLE CITIES EXPERIENCES, DECEMBER 8-10, 2021

A virtual event focused on smart cities and sustainability with 70+ speakers, 50 startups, 100+ partners, Miami welcomes 5000+ attendees.

Focus: Smart Cities, Sustainability
#SCEM2021

IIOT WORLD'S DIGITAL MANUFACTURING DAY, DECEMBER 8, 2021

During the one-day online event, 40+ subject matter experts will share insights on IIoT & AI technologies applied in the manufacturing Industry, innovative real-world use cases focused on smart manufacturing & more!

Focus: Manufacturing, Smart Manufacturing, IIoT, ICS Cybersecurity
#IIoTWorldDay



868-610-7237



salesinfo@precision-cyber.com



www.precision-cyber.com



1st Floor, Brair Place, 10-12 Sweet Road
St. Clair, Port of Spain, Trinidad