



essencia

wallonie

where chemistry meets life sciences



Importance des enjeux de la digitalisation pour le secteur des biotech-biopharma

KOM BioMan 29/04/2022

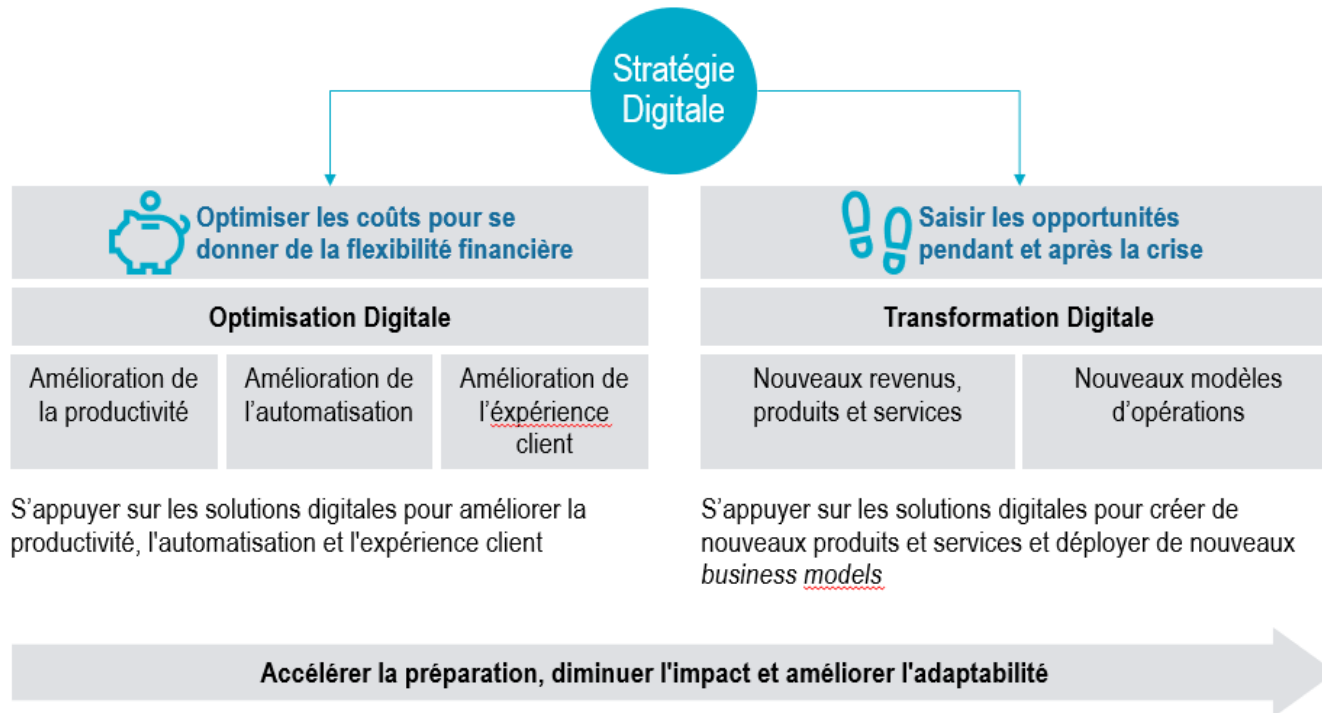
Accélérer la transformation numérique des entreprises industrielles wallonnes vers l'Industrie 4.0



essenscia

where chemistry meets life sciences

- Le numérique est largement adopté comme levier d'optimisation, notamment des coûts, de la qualité et de diminution de l'impact environnemental
- Le numérique est également un levier de protection et de croissance du revenu, et d'émergence de nouveaux modèles économiques

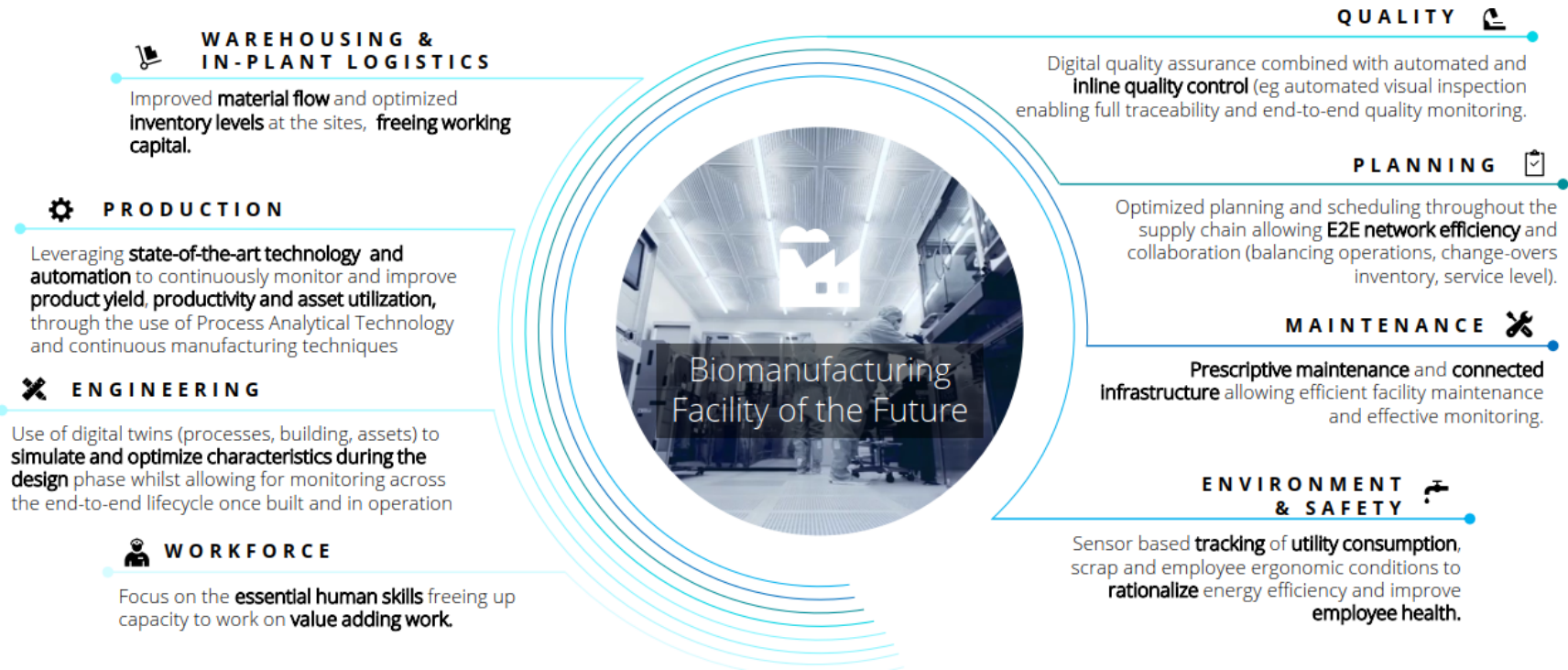


Facility of the future Biomanufacturing



essencia

where chemistry meets life sciences



Copyright © 2020 Deloitte Development LLC. All rights reserved.

Transformation digitale Challenges / Maturité



essencia

where chemistry meets life sciences

LIFE SCIENCE INDUSTRY CHALLENGES



Manufacturing process complexity

The rise of biologics and cell & gene therapies, combined with the exploration of continuous manufacturing, have led to more complex manufacturing processes which are exposing limitations of traditional quality and process control methods.



New care settings & services

Uncertainty around impact and requirements of patient-centered, value-based services challenge the current manufacturing and distribution set-up.



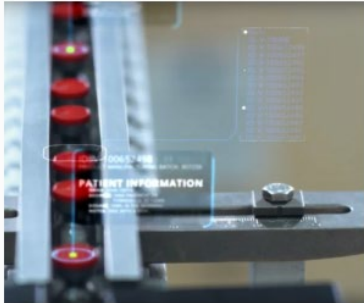
Pricing & cost pressures

Pricing pressure from reductions in reimbursements and buyer consolidation has led to significant pressure to transform the cost structure to counter margin erosion and improve capital and asset efficiencies.

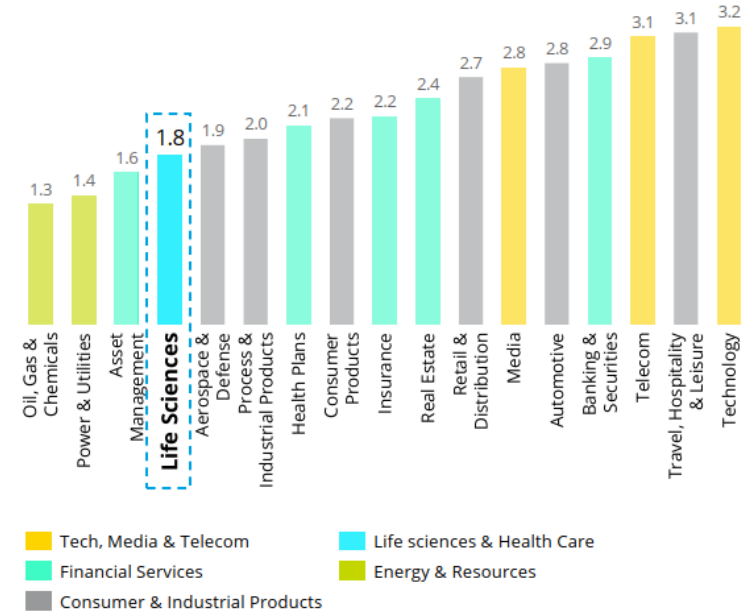


Increased regulatory scrutiny

Increase in regulatory complexity and requirements puts pressure on the manufacturing processes and limits the agility as well as the ability to scale.



AVERAGE DIGITAL MATURITY PER INDUSTRY



Note: Companies in S&P 100 respectively, ranked on Digital Maturity using Deloitte's Digital Maturity Index (DMI) Framework. Source: eMarketer; Nielsen; Monitor Deloitte analysis

Copyright © 2020 Deloitte Development LLC. All rights reserved.



Enjeux sur les talents

- **Transformation technologique ... mais surtout l'humain sera au cœur de cette transformation**
 - Nouvelles fonctions
 - Nouvelles compétences

- **→ Stratégie upskilling/reskilling**

- **Transformation de l'écosystème enseignement-formation**
 - Nouvelles filières au niveau enseignement
 - Nouvelles méthodes apprentissage (VR, jumeaux numériques,...)

- **Attractivité des talents**

- **Master Plan Talents essenscia wallonie-bruxelles**