

The background of the slide is a photograph of surgeons in an operating room. The surgeons are wearing blue scrubs, masks, and caps. They are focused on a patient, with their hands visible near the surgical site. The lighting is bright and clinical.

The Journey of Transformation into Digitization - Industry 4.0

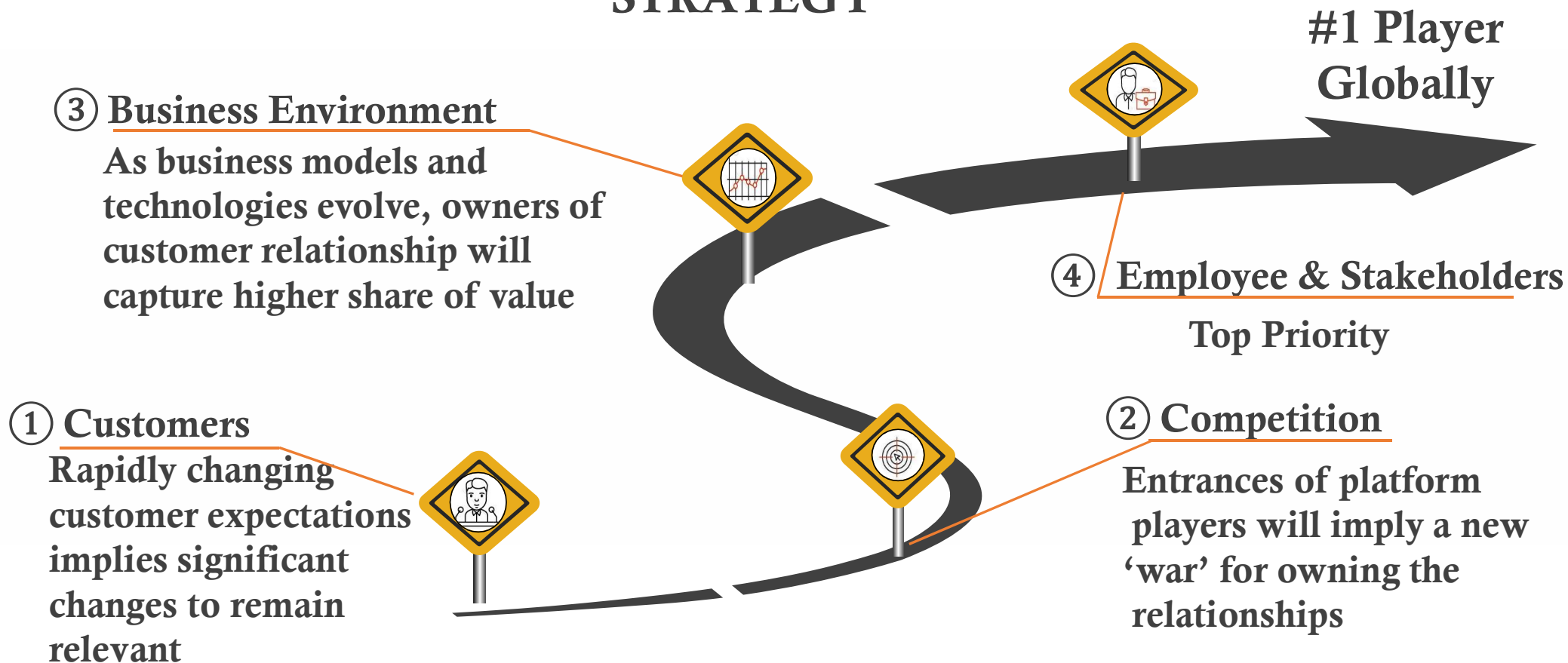
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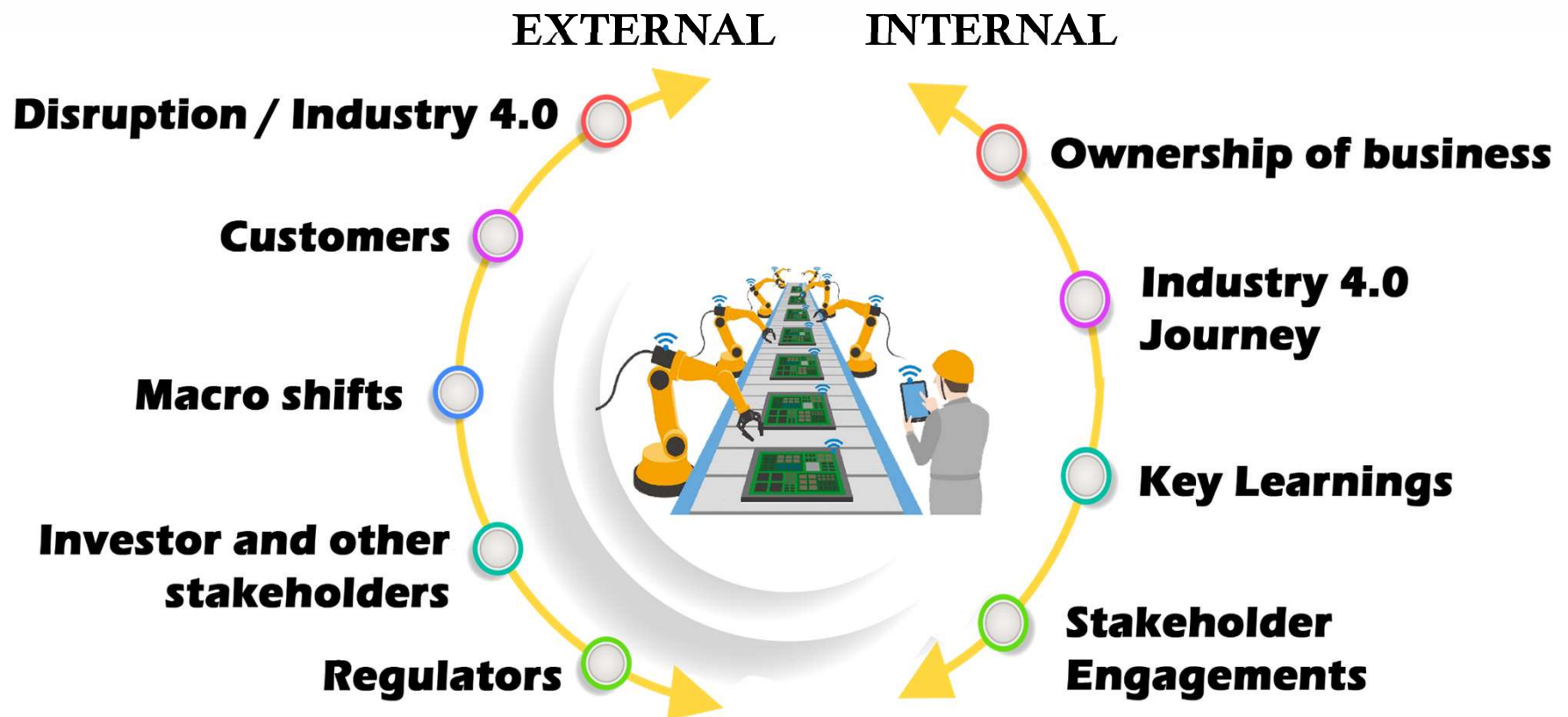
31 October 2018

BUSINESS TO CUSTOMER (B2C) GOALS

CUSTOMER CENTRICITY WILL BE THE CORE OF OUR STRATEGY



MANUFACTURING EXTERNAL AND INTERNAL PERSPECTIVES IN LIGHT OF THE SHIFTING LANDSCAPE



The Industrial Internet Changes Everything

CONVERGENCE OF TECHNOLOGIES - CONNECTIVITY



- Last mile connectivity
- New 5G technologies to transmit data more than 100 times faster than current 4G networks for autonomous cars, IoT applications, autonomous manufacturing

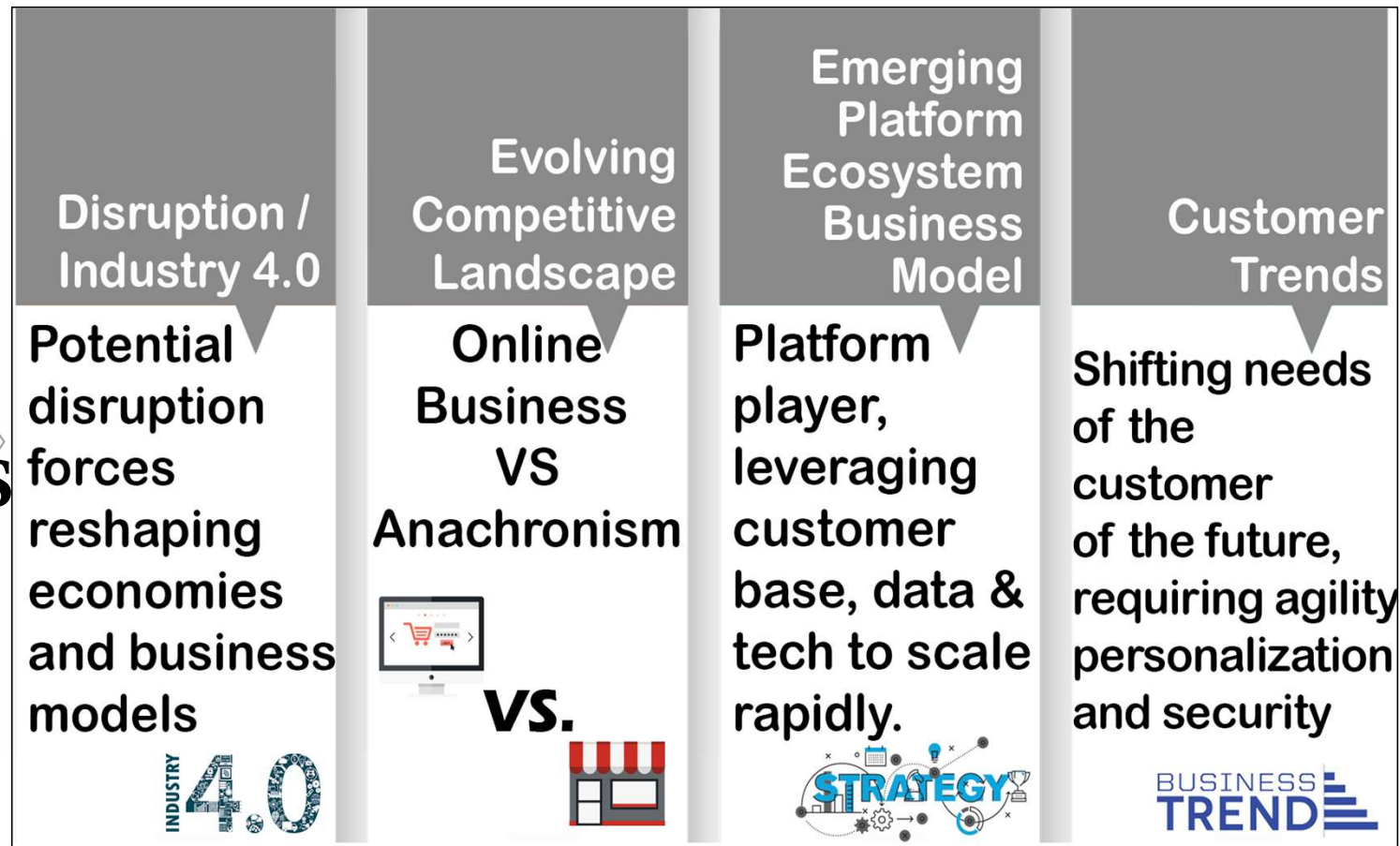


- Use data-driven Insights for optimized performances
- Connectivity of all data for machine learning



- Advanced usage of data 24/7 and predictive controls
- Simulation based design and production of machinery

Our external context is shifting rapidly, creating both **OPPORTUNITIES** and **THREATS**



INTRODUCTION

The Industry 4.0 Disruptor and its Future Innovations is based upon Convergences for the First Industrial Internet Platform

CONVERGENCE OF BIG PROCESSES

- ❖ **Factory of the future → Smart Manufacturing**
- ❖ **E2E big processs → Autonomous activites**
- ❖ **Logistic, globally**
- ❖ **Human Resources (HR)**
- ❖ **Financial Services**

For a traditional manufacturing company, the most important part is digitalization and their journey through 4.0 Industrial Revolution is **KNOW HOW!**



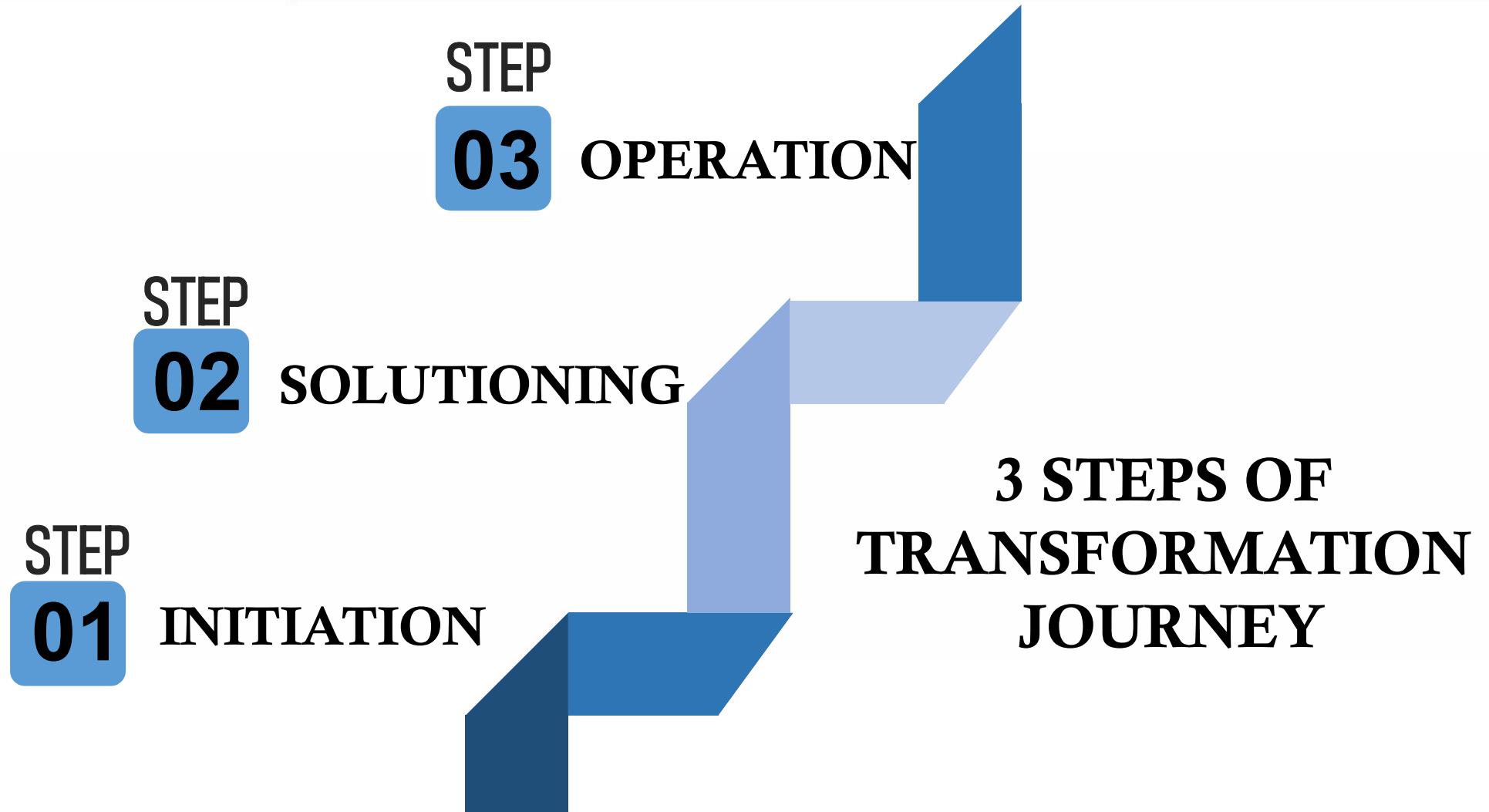
OUR EXTERNAL CONTEXT IS SHIFTING RAPIDLY, CREATING BOTH OPPORTUNITIES AND THREATS

**External
Environment
is revolving
rapidly**

**The next phase
of our journey
will necessitate
faster, bolder
pivot choices
and execution**

**Key challenge
as its inherent
in all large
organization
center around
the 'How'**

THE TRANSFORMATION JOURNEY IN 3 STEPS



TRANSFORMATION STEP 1

INITIATION

- **READINESS ASSESTMENT**
(knowing where you are and who you are!)
 - Asses the Industry 4.0 readiness of all processes, technology and organization
- **GAP ANALYSIS**
 - To identify the key gaps in order to transform from the current state to your future goals
(knowing what to do!)

TRANSFORMATION STEP 2 SOLUTIONING

■ ROADMAP

- Defining the ultimatum initiatives with phases, targets, costs, and timeline
- Best practices exercises the new form of road mapping
- Scrutinizing on the initiatives

■ BUSINESS CASE

- The direct and indirect economic impact of Industry 4.0 solutions on an organization is to be evaluated
- Business cases with Industry 4.0 KPI's is to be set up and evaluated by using cost-benefit analysis

■ **TRANSFORMATION - IMPLEMENTATION**

- **The overview of the vendors' criterion differentiation thus the selection**
- **Project management including progress control**
- **Ensure quality requirements are met;**
 - **Safety**
 - **Security**
 - **Reliability**
 - **Interoperability**
 - **Sustainability**

TRANSFORMATION STEP 3

OPERATION

- **Controls**

- Continuous real-time monitoring, validation and certification of safety, security and reliability
- Data-driven service to support operation management

- **Optimization**

- Data analytics to enable predictive maintenance
- Scaling and expanding Industry 4.0 solutions and concepts to realize future milestones

TOP GLOVE

TOP QUALITY, TOP EFFICIENCY

**THE WORLD'S LARGEST
RUBBER GLOVE MANUFACTURER**

Thank You

