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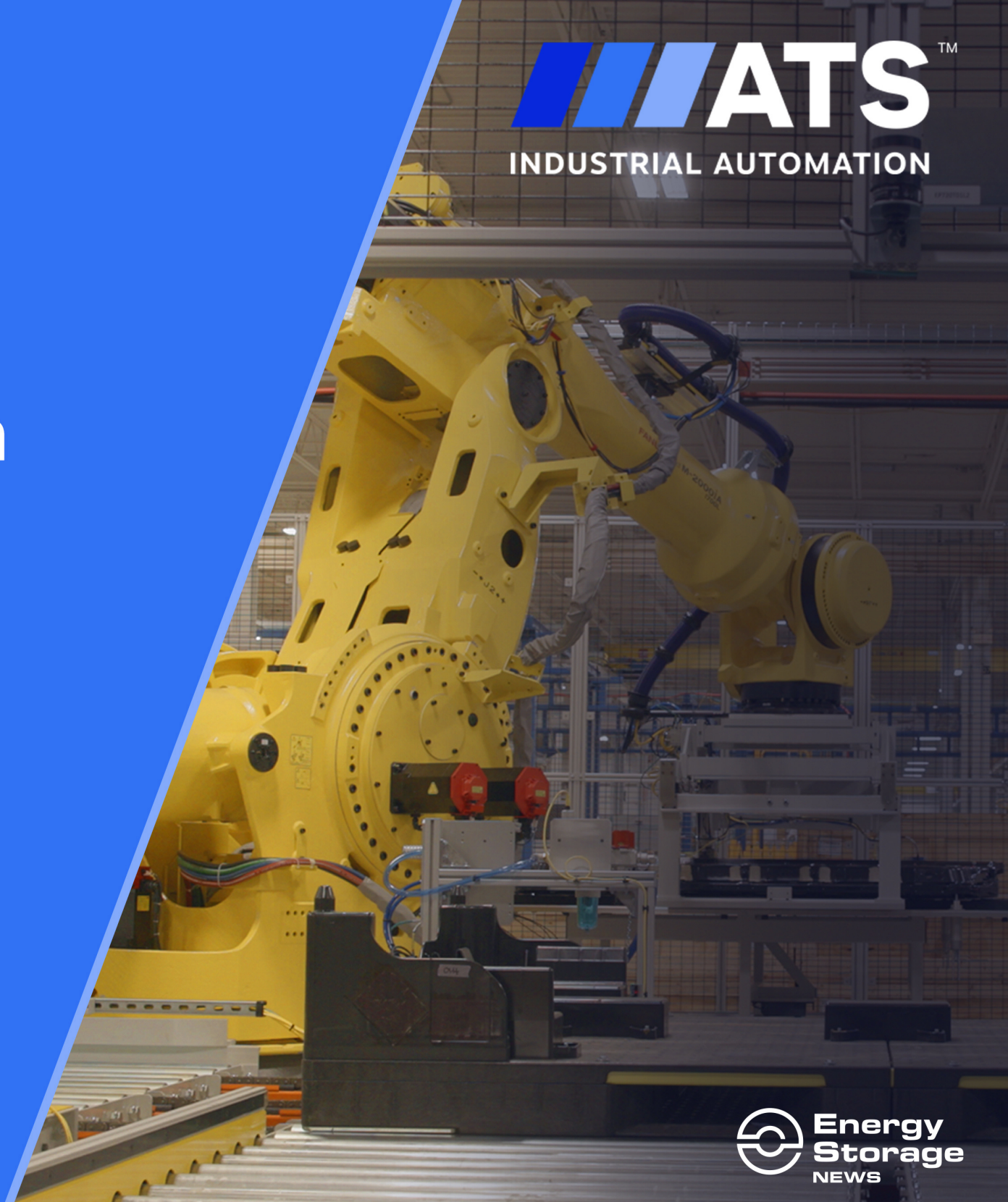
# What it takes to scale grid battery manufacturing, from lab to gigafactory



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# Scaling an Idea to Gigafactory

Understanding the 7 Stages of  
an Energy Storage Company



# Who We Are

**\$2.2B**  
**Automation Company**

**Mobility**

**Nuclear**

**Energy/  
Consumer**

**46 ————— Years**

# Battery Energy Storage Systems

Importance of BESS  
in a zero-carbon future

Innovation happening  
in battery development:

- ✓ Types of batteries
- ✓ Use of new materials
- ✓ Number of patents



Investment needed in grid  
batteries to reach climate goals



# The Journey from BESS Idea to Gigafactory

Turning an idea into a high volume gigafactory doesn't happen overnight, it can take decades. Understanding the requirement at each stage and meeting key milestones along the way is critical in making the transition from idea to pilot line to full production gigafactory.



Stage  
Requirements

Key milestones

Production

Partners

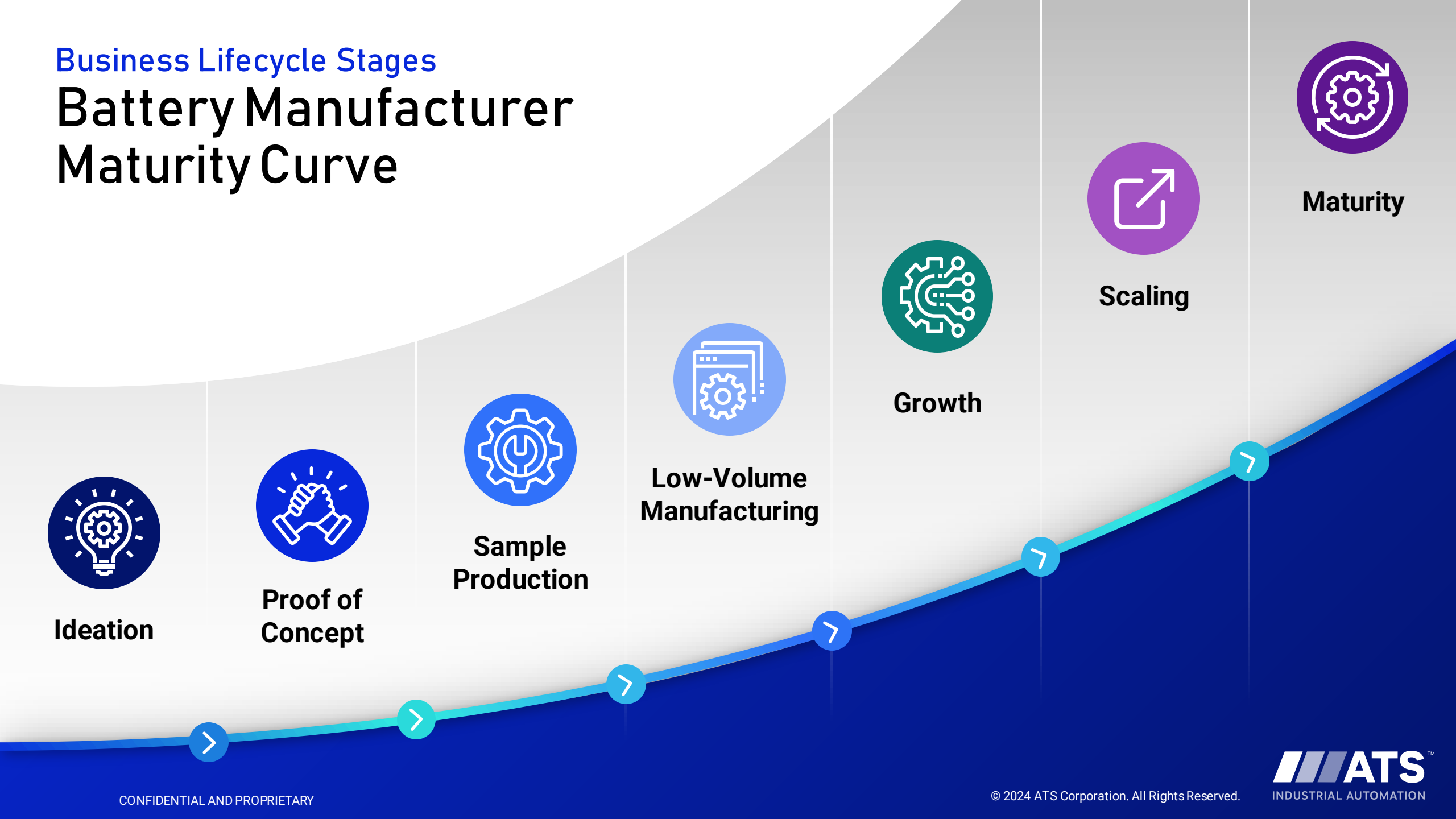


Knowing when to bring in partners can help companies move through the stages faster.

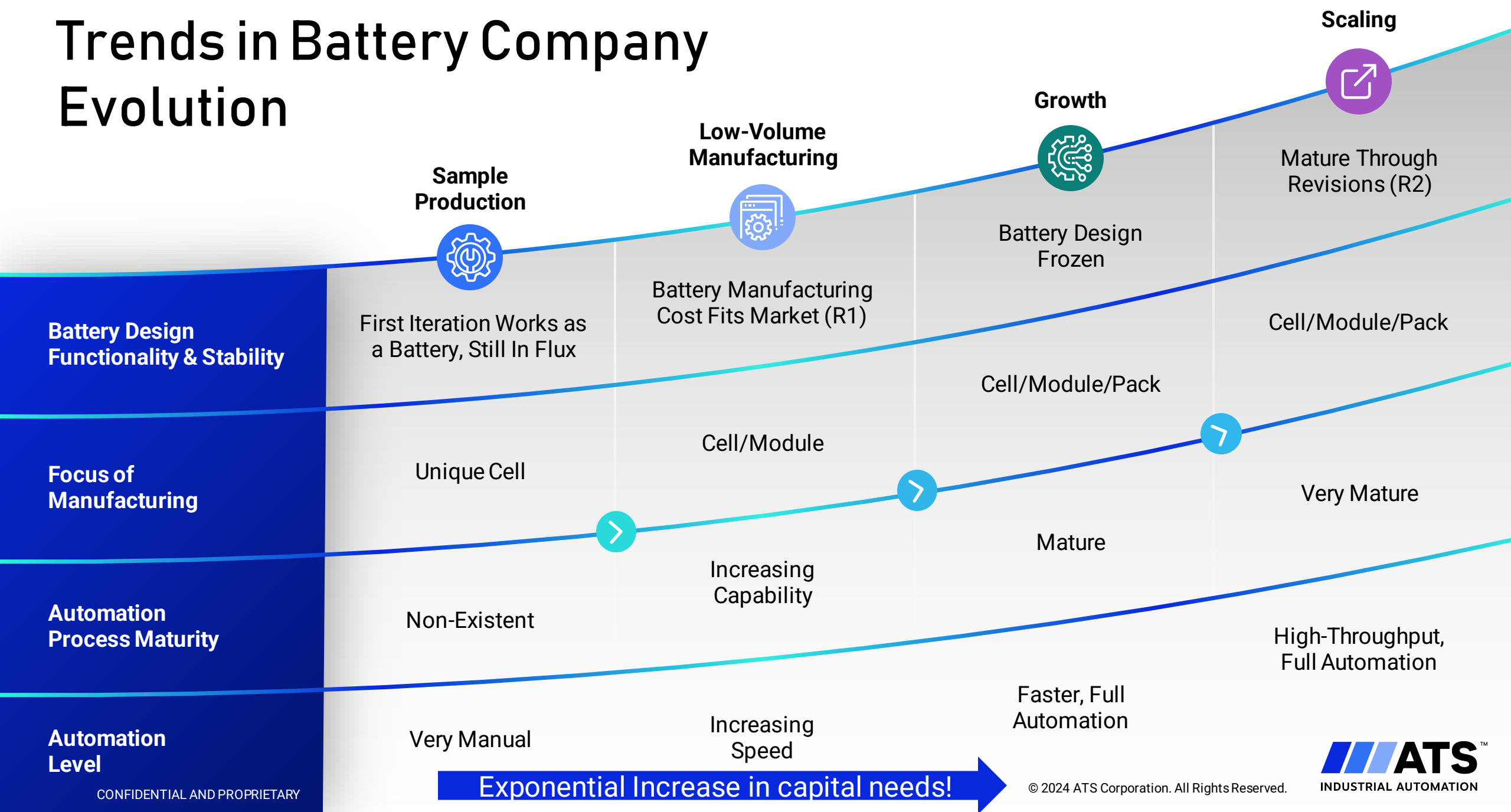


## Business Lifecycle Stages

# Battery Manufacturer Maturity Curve



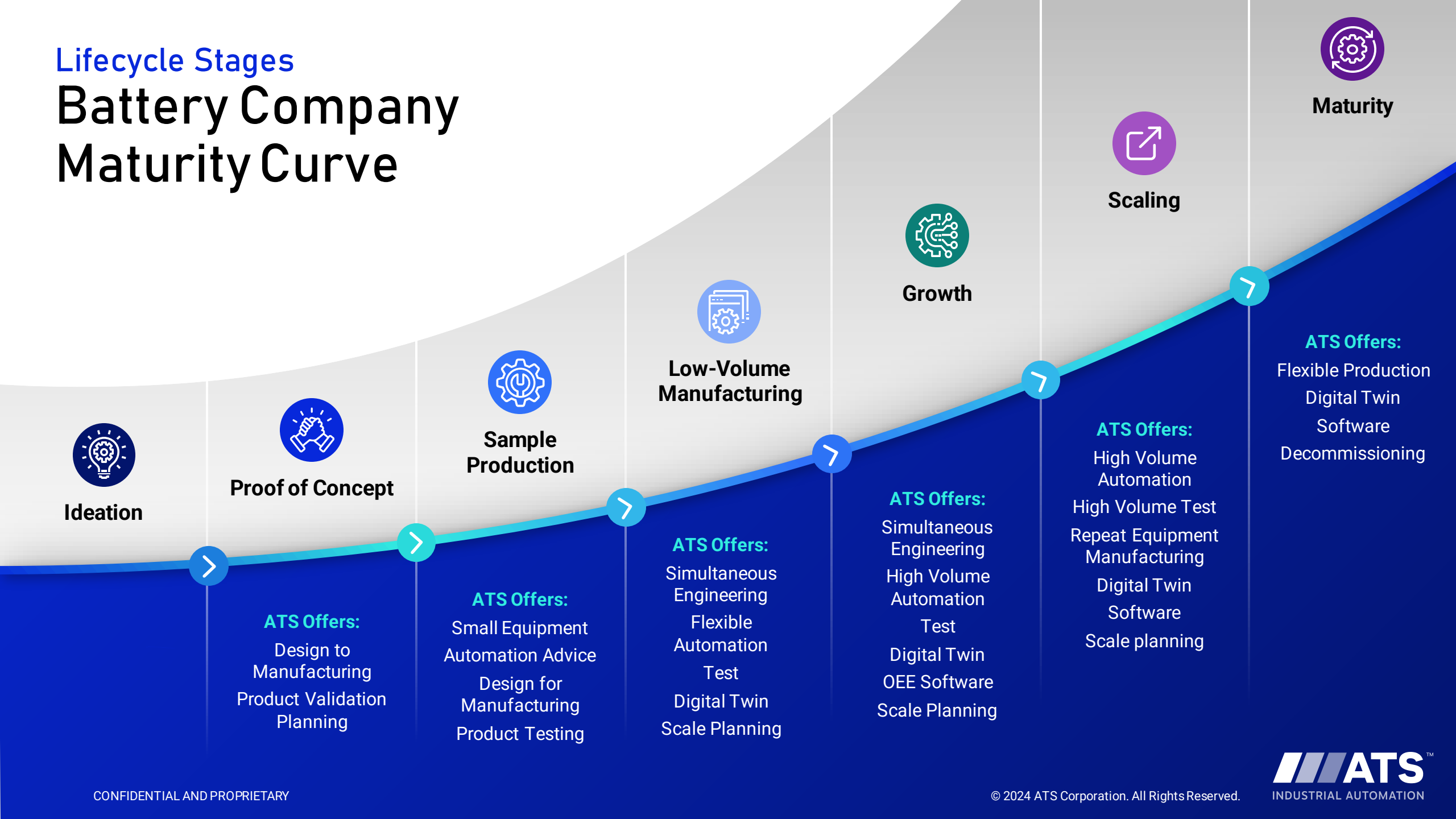
# Trends in Battery Company Evolution



# Lifecycle Stages

## Battery Company

### Maturity Curve





# Every Day Matters

We provide the best automation solutions throughout the entire lifecycle and a personal partnership you can trust.



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