

Business Process Improvement

Digital Transformation

Perforic LLC
955 Massachusetts Avenue, #309
Cambridge, MA 02139
info@perforic.com

Perforic Engagement Model



Site Leader

Engineering
Leader

Manufacturing
Leader

Engineering
and Quality
and
Manufacturing
Leader

Site Leader
Executive
Leader

Perforic Value Proposition

Enable and Engage your Team Members in Digital Transformation for Year – Year ROI

- ▶ Business Process Improvement Steps
- ▶ Paradigm Shift
 - ▶ LEAN Manufacturing -> Smart Factory – Investments
- ▶ Next Steps : Value Created with Perforic Engagement

Perforic Value Engagement Model



Business Process Improvement Framework

Business Process Mapping

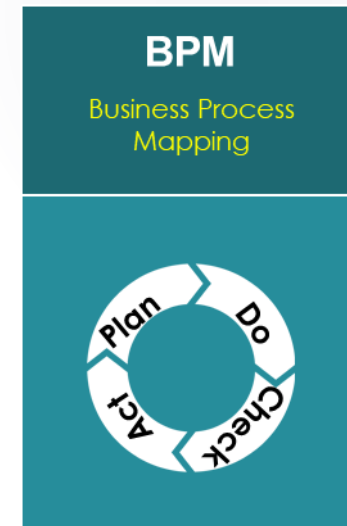
▶ Our Focus

- ▶ Digital Scope Management
- ▶ Site Digital Adoption
- ▶ Capacity Optimization

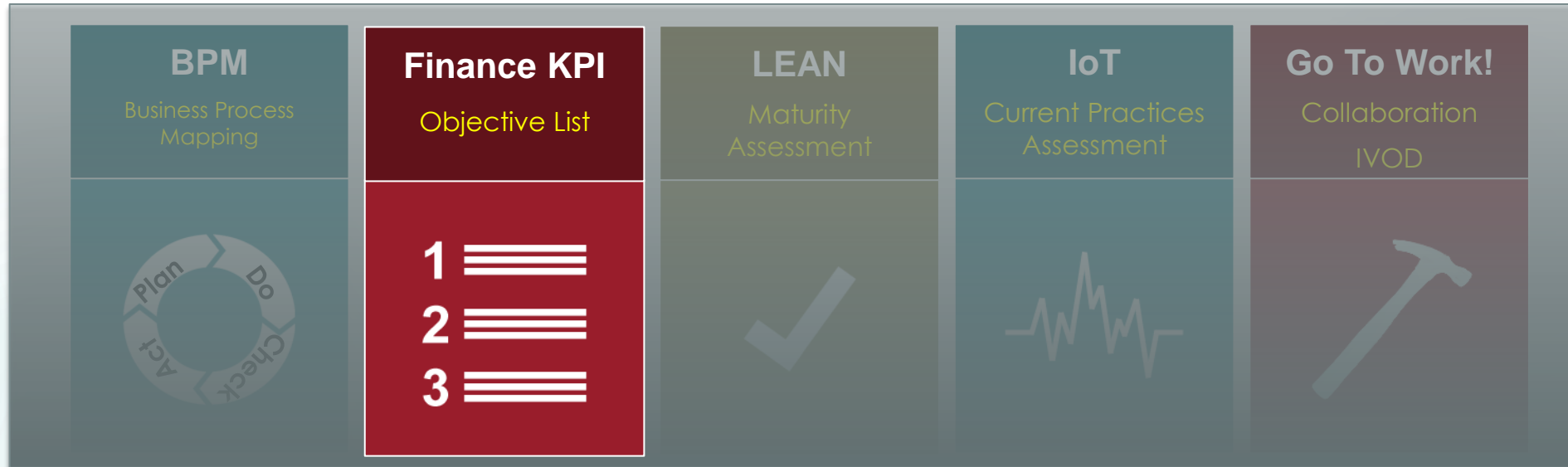
▶ Payback

- ▶ Less Than 12 month ROI

Senior Leadership
Engagement



Perforic Performance Focus



Define KPIs for Site

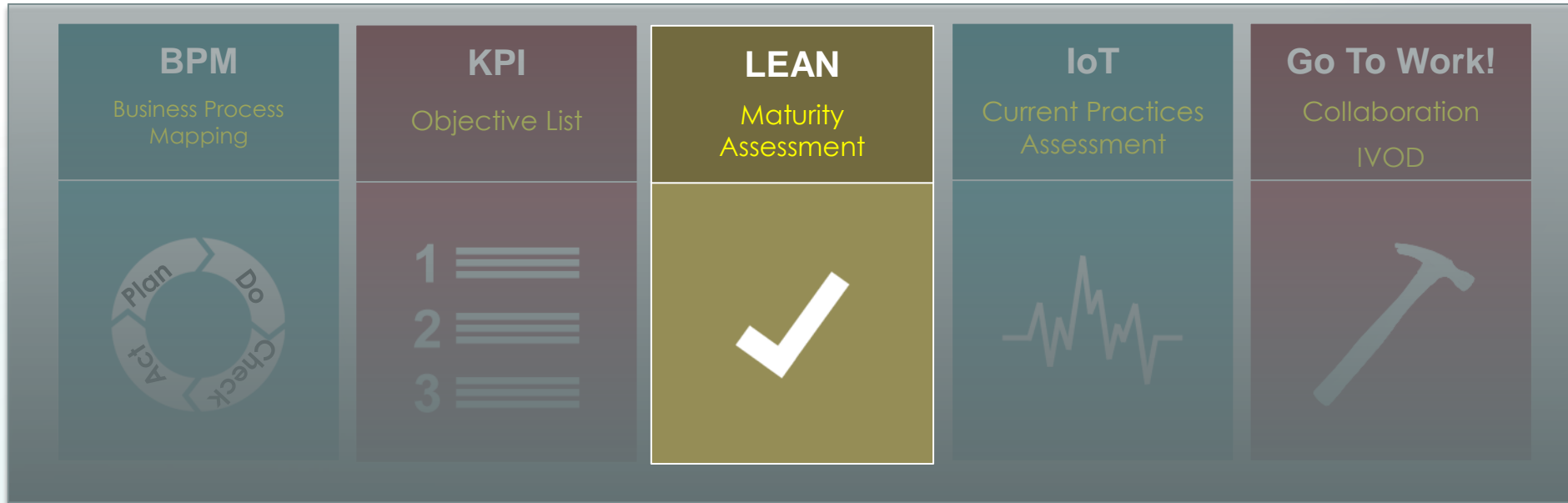
Define KPIs for Production Floor

Timeline ROI Plan

Task	Objective	Due by *
1	Current Site Process Improvement KPIs	Week 1
2	Monthly Targets to Measure & Report	Week 4
3	Monthly Leadership Dashboard	Week 8
4	Quarterly Business Process Improvement Report/Review	Week 14

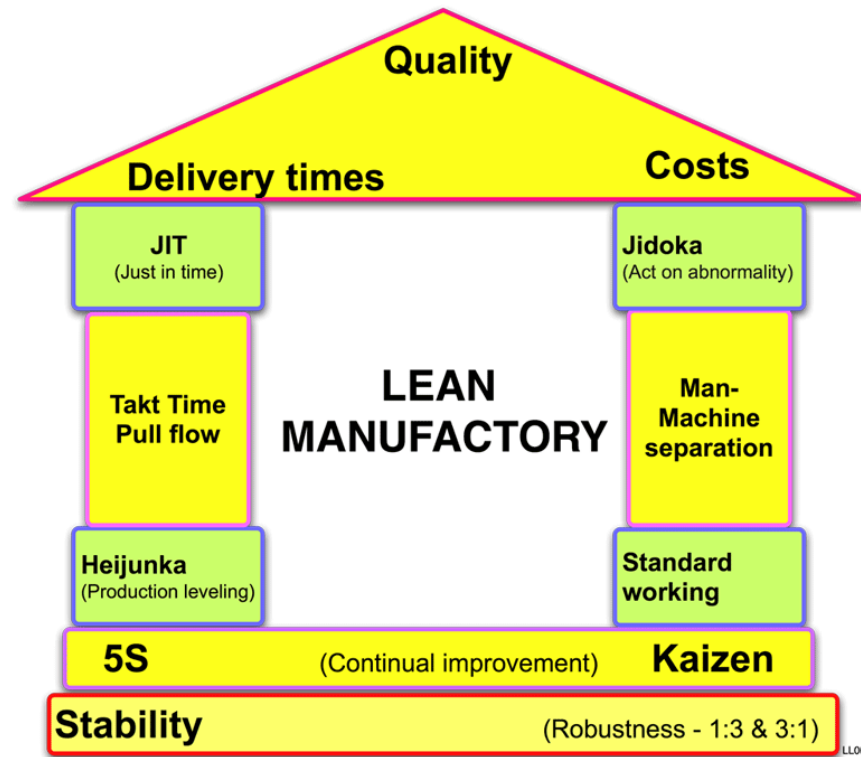
* Weeks counted from 1st engagement on-site

LEAN On-Site



Assessment : On-Site Maturity

LEAN Production System



Do you currently measure variation?

Do you measure Man-Machine separation?

Do you have Standard work guidelines?

Bridge to Digital Transformation

- ▶ IVOD is your path to a digital factory
- ▶ Team on the ground captures your core processes
- ▶ Content library enables continuous improvement
- ▶ On-demand content accelerates training



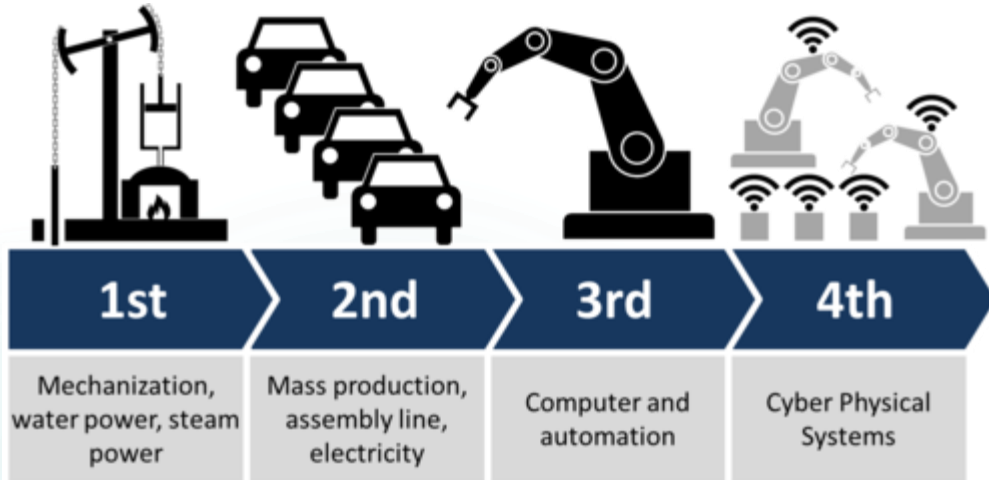
Image – courtesy of Industry Today

IoT On-Site



Assessment : Site Digital Practices

Smart Factory IoT



Do you currently have Wi-Fi enabled machines?

Do you currently upload any data to Cloud?

Do you have a Big Data repository?

Enable Modeling, Design, and Analysis Techniques

Receive and Send Data on Connected Devices

Remote Servers that Enable Data Management

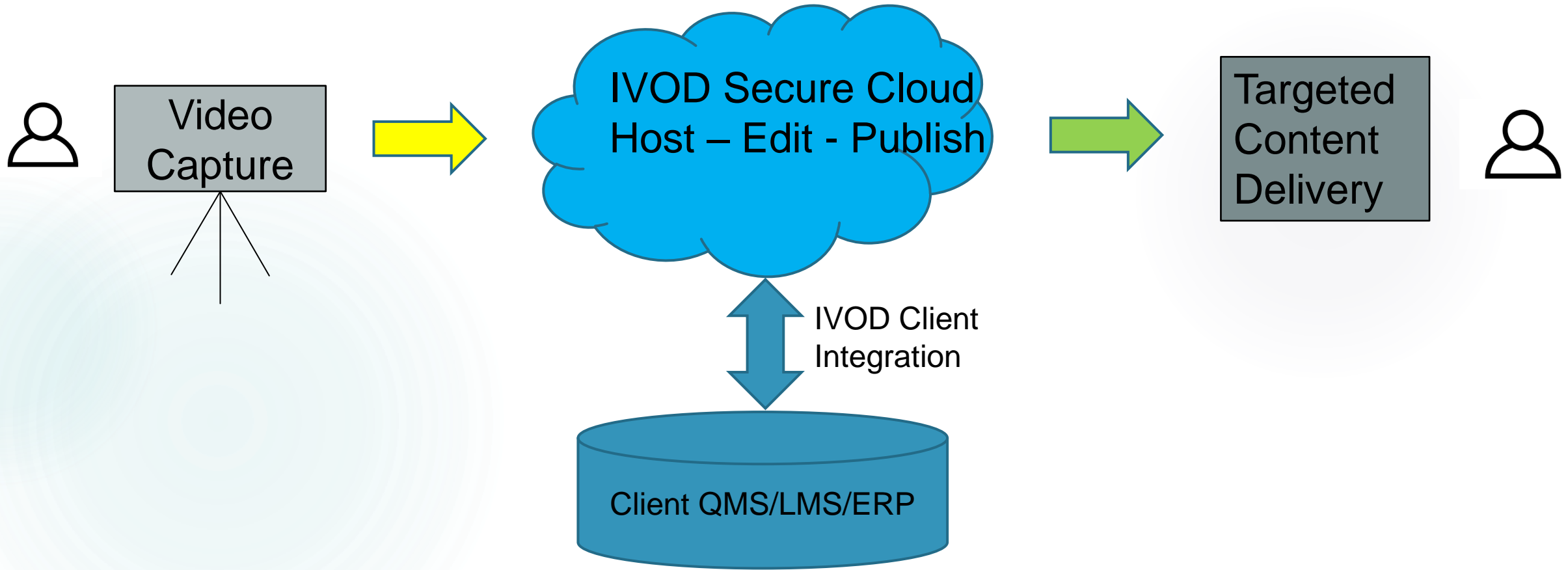
Scientific Discipline of AI and Signal Processing

Solution Build Out



Customized Solution – Perforic Business Centric Digital Transformation

Perforic System Architecture



Perforic Security

We understand security. The IVOD solution has following safeguards:

- ▶ SSL certificates to ensure safe connections
- ▶ Multi-factor authentication
- ▶ Strong passwords with expiration
- ▶ Identity and Access Management with least privilege
- ▶ No data stored on user device
- ▶ All video uploaded to secure cloud
- ▶ User administration by supervisor or trusted authority
- ▶ Logging of all actions to help with troubleshooting and auditing
- ▶ Data on cloud encrypted
- ▶ Data never shared with any third parties



Appendix

Perforic Management Competencies



**Perforic
Competencies**

Project management	Analytics	Communication
Statistics	Business knowledge	Monitoring
Change leadership	Product development	Application and tool knowledge
Data management	Test process	Performance management

Perforic Technical Competencies



**Technical
Competencies**

Database monitoring tools	Code	Deep dive tools	Resource utilization system level
End to End performance tools	Comprehensive results reporting		Statistics and distributions
Test and execution tools	Queuing and modeling tools	Test data creation	User profile security