WHO is PTC?

$1.16B Software Company, foundet 1985
Headquarter in Boston MA, Nasdaq listed
6,000 employees, 28,000 active customers

Leading Software provider

- Computer Aided Design (CAD) with
  PTC Creo former Pro/ENGINEER

- Product Lifecycle Management (PLM)
  with PTC Windchill

- Application Lifecycle Management (ALM)
  with PTC Integrity

- Service Lifecycle Management (SLM)
  with PTC Servigistics

- Today achnowledged leader for IoT
  Solutions with ThingWorx

PTC in Österreich
Operngasse 17-21
1040 Wien

Gemeinsam mit unserem Partner TECHSOFT betreuen über 100 Mitarbeiter mehr als 1.500 Kunden

rotowash
GOWEIL
SENO SPEZIALMASCHINEN Sondermaschinen- und Stahlbau
Gföllner Fahrzeugbau und Containertechnik GmbH
biohort
BMB Bundesministerium für Bildung

zumtobel group
SYKATEC
ottobock.
GEPPERT HYDROPOWER AUSTRIA
SKF

BTH
ROCKSTER RECYCLER
EREMA PLASTIC RECYCLING SYSTEMS
isoplus Fernwärmetechnik Gesellschaft m.b.H.
hb-technik DER WEG ZUM ZIEL.
ATENSOR Advanced Solutions a MICRO-EPSILON company
BILFINGER
MISCHTECHNIK MASCHINENBAU
KNAPP

HUSKY
STE connectivity
nordform creative works on sheet
R. Scheuchl GmbH Verfahrenstechnik | Umweltschutz | Anlagenbau | Maschinenbau
BRUCKSCHLÖGL
SEMIA MASCHINENBAU - AUSTRIA

AMARI metal innovations
alupress
UMDASCH SHOPFITTING
welser profile

durst
Starlinger
PENN www.penn.at
HIRSCH Das Armband seit 1765
TCG UNITECH AUTOMOTIVE COMPONENTS

COILINNOVATION POWER INDUCTORS
hb-technik DER WEG ZUM ZIEL.
JOBAtech GmbH Maschinenbau - Automatisierung
KURZ
viscotec Solid State Polycondensation
GEIGER

IBS
KOMPTECH
WFL MILLTURN TECHNOLOGIES
ENGINEERING GRASSBERGER
GIA
PRIMETALS TECHNOLOGIES
MÜHLBOCK TROCKNUNGSTECHNIK
ifw
The Praher Group

PALFINGER
SE SEISENBACHER
SOLARFOCUS macht unabhängig
ING. VOITH · TRAUN AUSTRIA
SWIETELSKY
AUMAYR
KTM
HAUSER
TESTFUCHS safety in test > safety in flight
PROLICHT
EMICON Engineering GmbH
GRABNER INSTRUMENTS
SML EXTRUSION LINES – ENGINEERED TO PERFORM
IBS STEEL PERFORMANCE

nemak
hirtenberger Group
SIEMENS
Plasser & Theurer
SIRO FASHION FOR FURNITURE
ANDRITZ
TRUMPF
MAGNA MAGNA POWERTRAIN
KÖSSLER
GISaqua
Fronius SHIFTING THE LIMITS
cybex
ELMET ELASTOMER IS OUR BUSINESS
KNORR-BREMSE
SIRO FASHION FOR FURNITURE
emco TEST WISSEN IST SICHERHEIT.
HAAS+SOHN
TECAN
Miba

SCHÖFER THE ART OF PLASTIC SURFACES
MARK
AMST AMST-SYSTEMTECHNIK GMBH
HC CONCEPTS ENGINEERING GmbH
AVL
ROTAX BRP
voestalpine
TTTech
KLINGER Fluid Control
GE Jenbacher
WP SUSPENSION
ruwido
EMO A Haidlmair & Cloere

daxner SCHÜTTGUT-TECHNOLOGIE
Sound Solutions International
Framag
MAS Maschinen und Anlagenbau Schulz GmbH
KNOBLINGER
promot AUTOMATION Pro Motion of Machine Tools
MAPLAN
CNH
Qness Hardness testing + Metallography
Leica MICROSYSTEMS
LISEC
ECOTHERM HEAT TRANSFER SOLUTIONS
emco group
REDTENBACHER the fine art of precision

Fill
M.A.H Technik für Schüttgüter ...und mehr!
STIWA Group
LIEBHERR
BOSCH
TYROLIA
RAUCH
Anton Paar
rathgeber tyrol
STEYRMOTORS
RSE GmbH
alpen drill better.
maykest PERFORM IN PRECISE
maco
rosenbauer
BITTER
HATZ DIESEL
KOSTWEIN MASCHINENBAU GMBH
HAT Handhabungs- und Automationstechnik

salvagnini
Kraus & Naimer
CTP DUMAG COMBUSTION TECHNOLOGIES
GUNTAMATIC
FASCHANG WERKZEUGBAU
TRILETY Gebrüder Trilety Ges.m.b.H.
KREMSMÜLLER INDUSTRIEANLAGENBAU
EATON
ZAMBELLI MACH'S EINFACH AUS METALL.
AMR Professional Design
ASMAG asmag group
invision A DIGITAL IMAGING COMPANY

THE EVOLUTION OF PRODUCT DEVELOPMENT

ptc

More Connected.

50B devices and **$6T** in economic value for smart connected products by 2025. – *Cisco, McKinsey*

More Collaborative.

"If you went to bed **last night** as an industrial company, you're going to wake up today as a software and analytics company" – *Jeff Immelt, GE CEO*

More Competitive.

89% of businesses say by 2016 customer experience will be their primary basis for competition. – *Gartner*

More Complex.

49% of companies report designing product platforms as a top challenge" – *Tech Clarity*

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kepware®

thingworx®

vuforia™
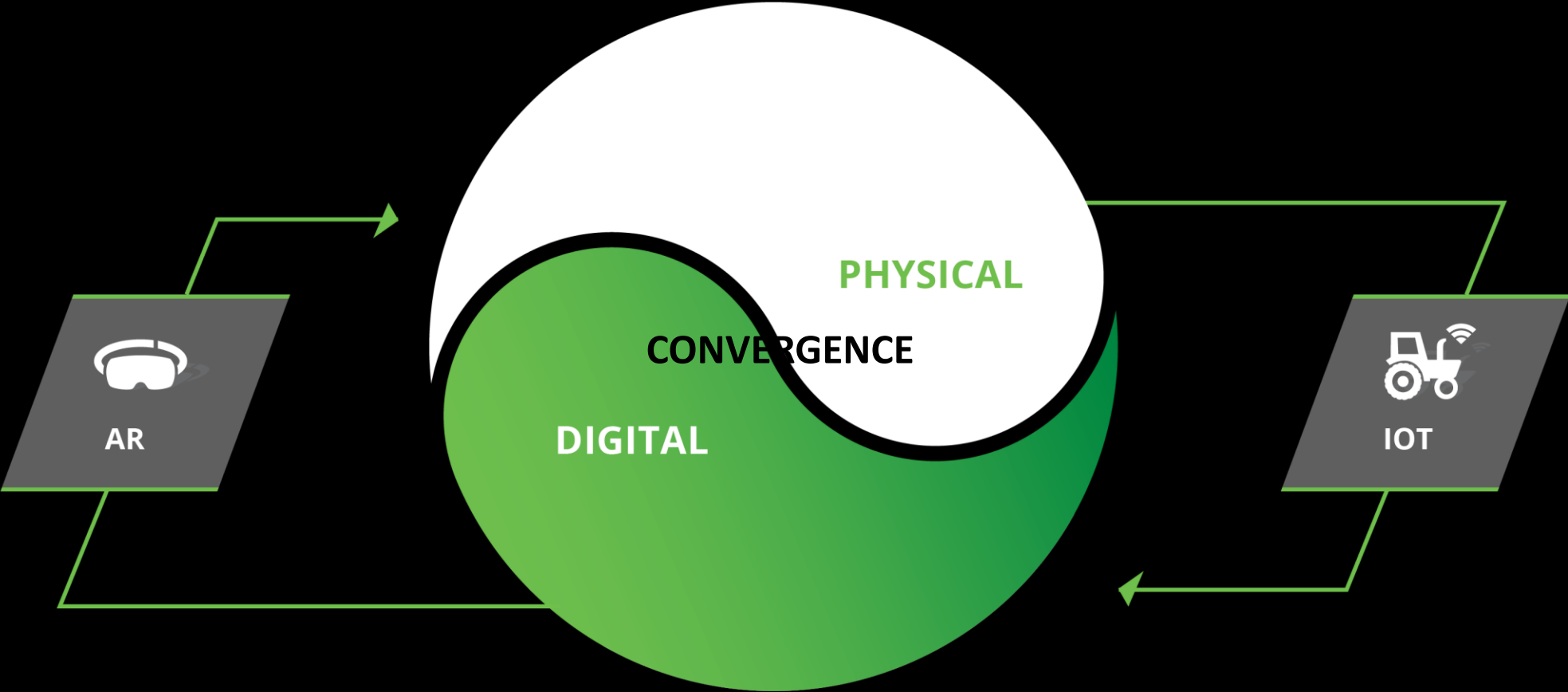
PHYSICAL
WORLD
$1B Invested
to Build Leading
AR and IOT Brands

DIGITAL
WORLD
30 Years Pioneering
the Digital Twin

creo® windchill®

integrity™ servigistics®

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PHYSICAL/DIGITAL ORCHESTRATION

ptc

thingworx®

SOURCE (Data & Context)

CONTEXTUALIZE (Map Data to Context)

SYNTHESIZE

ORCHESTRATE

ENGAGE (Multi-Channel, In Context Role Based)

AWS IOT
Azure IOT
Predix
Axeda
SAP Cloud

Business/IT Systems

Computer Vision

TODAY

Desktop/Laptop

Mobile

AR/Wearables

VR/Wearables

TOMORROW

Edge/OT Environments

Controllers | Sensors
Historians

CAD & PLM
AEC & BIM
Digital Context

Analyze

Simulate

Digital Map

Model

Digitize via scan, photo, or video

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COMPLETE IOT PLATFORM CAPABILITIES

ptc

SOURCE

- Connect Anything – Remote Device to Enterprise System
- Industrial Protocol Drivers Powered by Kepware
- Native Cloud Support – AWS, Azure, Predix, and More

CONTEXTUALIZE

- Transform Physical to Digital Through Visual Application Modeling
- Any data – in motion, in use, or at rest
- Singular Data Representation
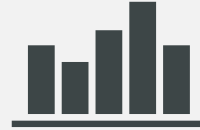
SYNTHESIZE

- Native integrated Anomaly Detection
- Improve future performance and results with automated prescriptions and simulations
- Easily incorporate 3rd party simulation tools for richer digital twin

ORCHESTRATE

- Deploy Anywhere – Edge to the Enterprise
- Asset Provisioning & Content Management
- Visual Alert & Rules With Workflow Management
- UX Builder for Web, Mobile and AR

ENGAGE

- Compelling visualization for web, mobile and AR
- Rich 3D animation and IoT data for experience creation
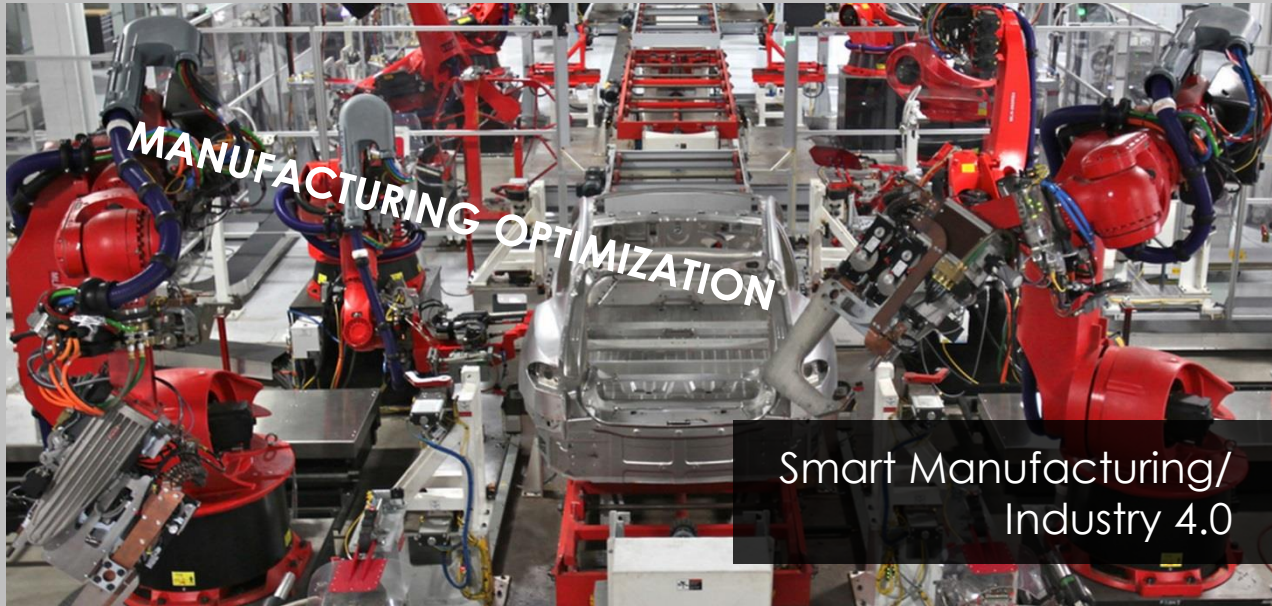- ThingMarks for unique AR experiences for each associated device

SCALE

- Enterprise-ready Deployment Architecture
- Millions of connected devices

SECURE

- Advanced Device Identity and Transport Security
- Platform-Wide Identity Management Including Single Sign-On

BROAD IMPACT OF PHYSICAL & DIGITAL CONVERGENCE

PRODUCE/ENGINEERING OPTIMIZATION

IoT/Smart, Connected Products

MANUFACTURING OPTIMIZATION

Smart Manufacturing/ Industry 4.0

OPERATIONS OPTIMIZATION

Smart Cities, Fields, & Worksites

SERVICE OPTIMIZATION

C1394 UNSCREW AND REMOVE

C4816

C3297

Connected Service/ Maintenance

THINGWORX STUDIO FOR MICROSOFT HOLOLENS

HARVARD BUSINESS REVIEW APP