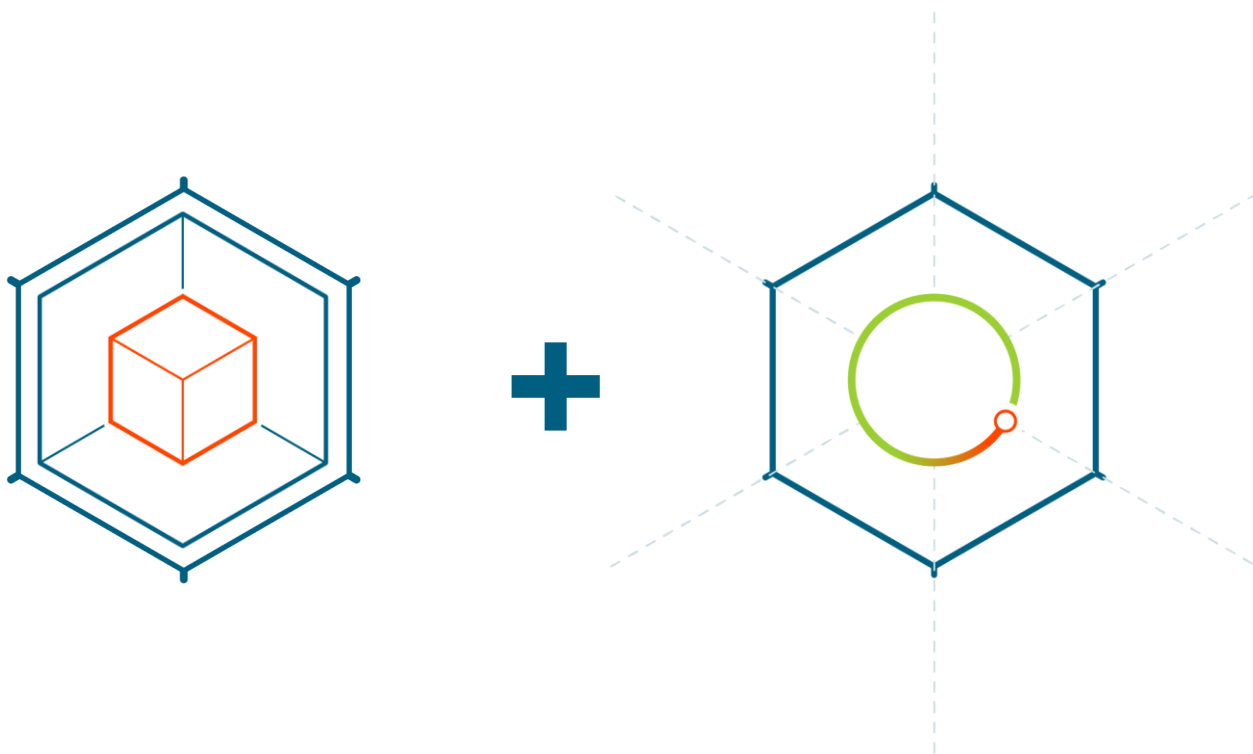# AI without data access is not possible? Yes it is!

Dr. Ronny Schüritz & Dr.-Ing. Robin Hirt

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AI-BASED FEATURES BECOME MORE PERVASIVE IN ALL KINDS OF OF PRODUCTS
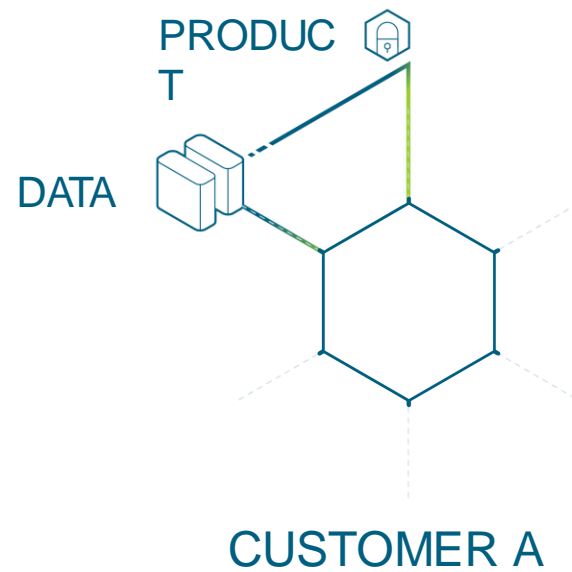
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Companies that employ AI features achieve up to 61% ROI on their projects. [1]

Only 22 % of companies using machine learning have successfully deployed a model. [2]

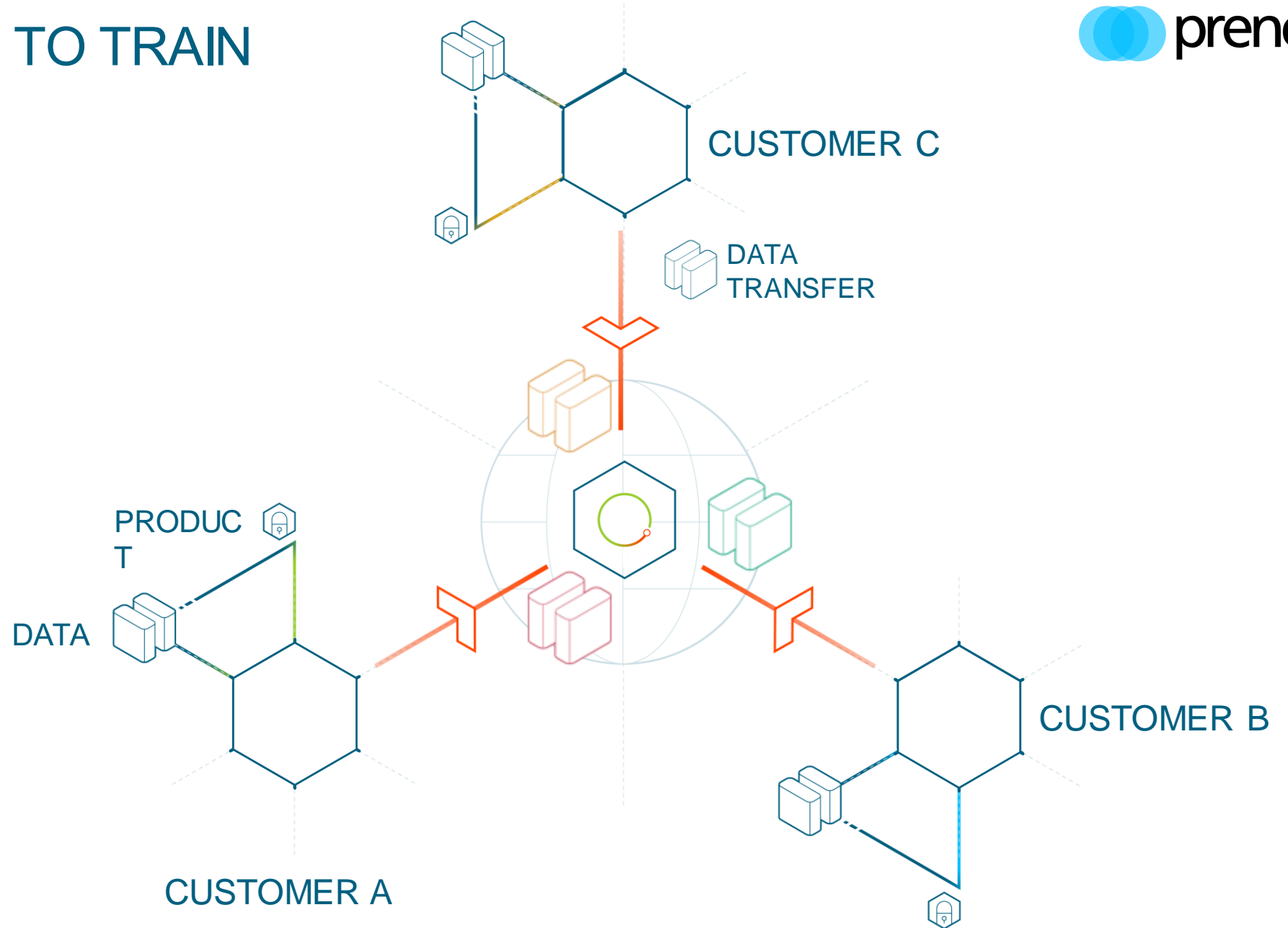1: Wixom & Schüritz, MIT Sloan CISR Research Briefing, 2018
2: Algorithmia Research, 2019

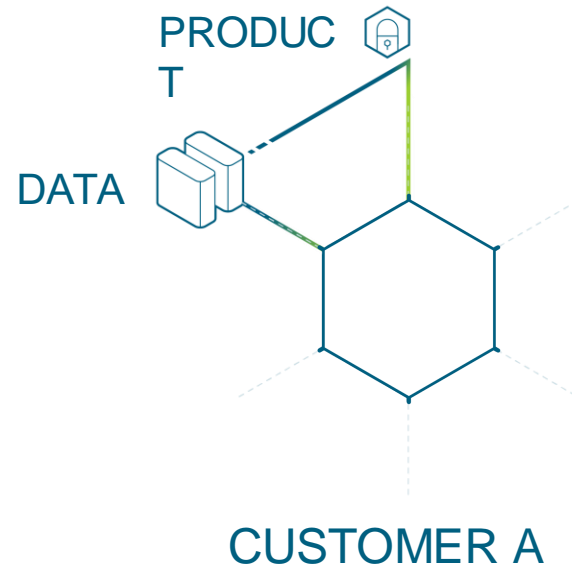# TRADITONAL APPROACHES TO TRAIN ML MODELS

CUSTOMER C

PRODUCT

DATA

CUSTOMER A

CUSTOMER B

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TRADITONAL APPROACHES TO TRAIN ML MODELS

1. Centralize Data

CUSTOMER C

DATA TRANSFER

PRODUCT

DATA

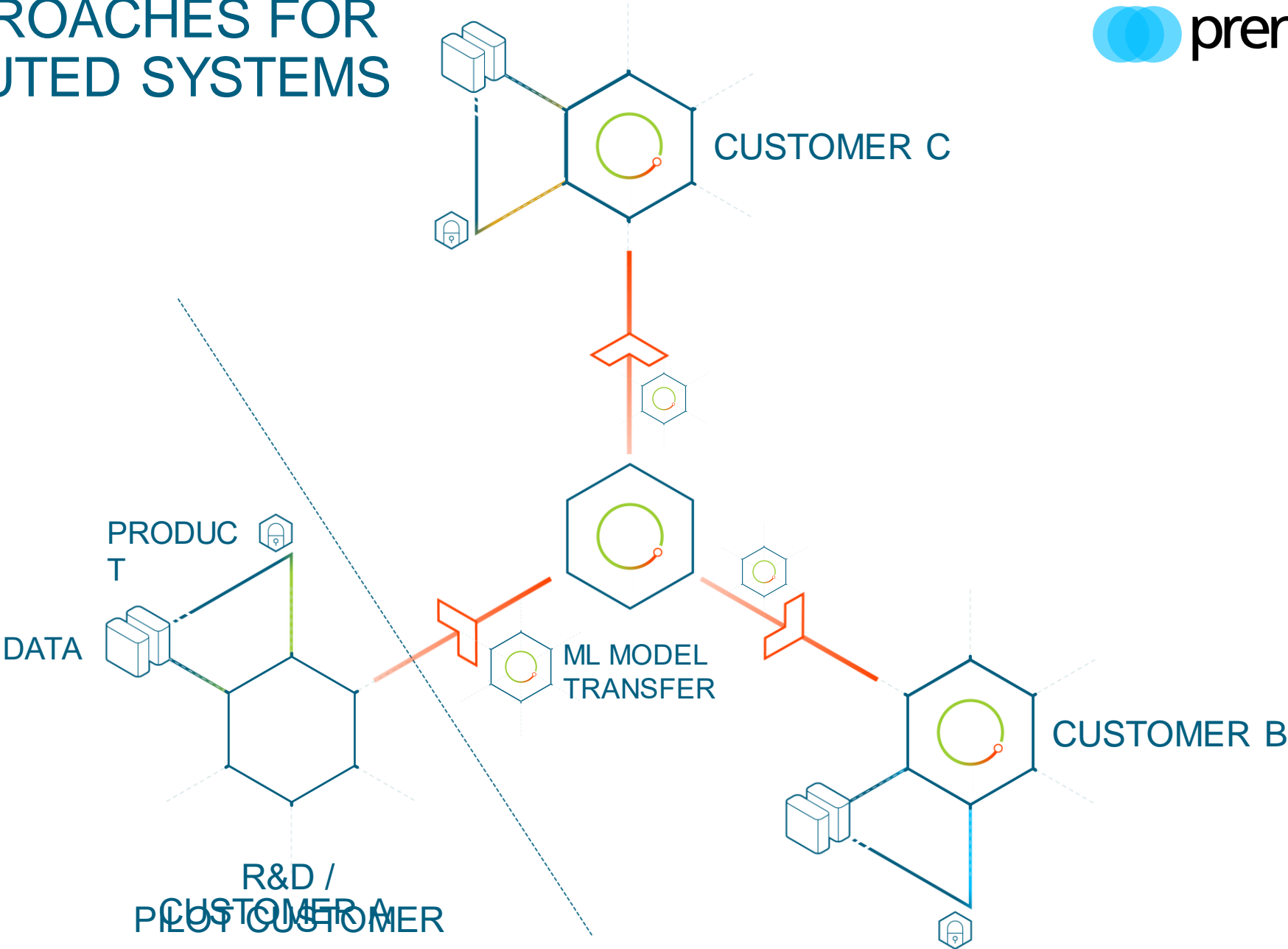CUSTOMER A

CUSTOMER B

TRADITONAL APPROACHES TO TRAIN ML MODELS

1. Centralize Data

2. Individual Training
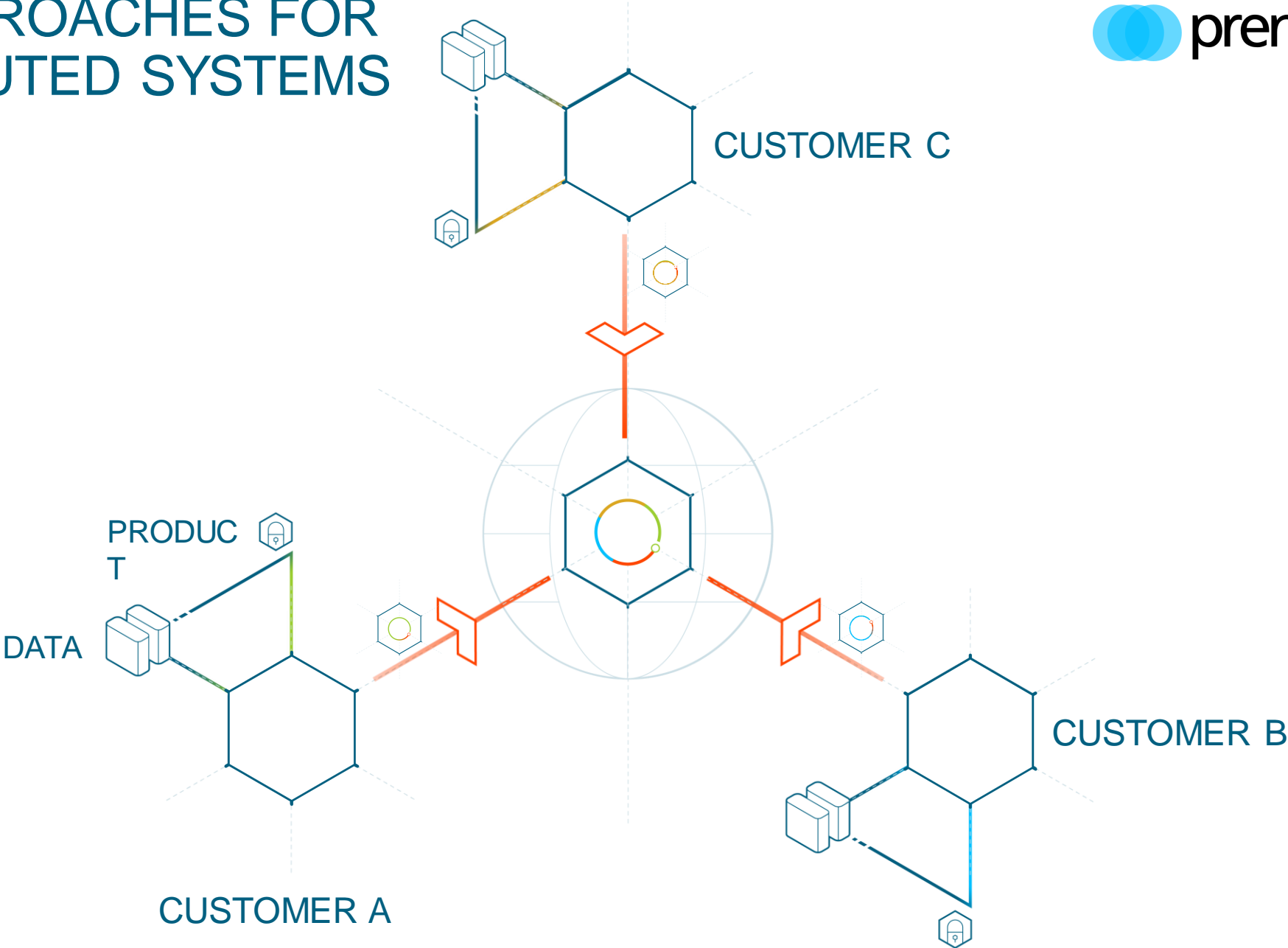
MODERN APPROACHES FOR ML IN DISTRIBUTED SYSTEMS

1. Transfer Learning

CUSTOMER C

PRODUCT

DATA

ML MODEL TRANSFER

CUSTOMER B

R&D /
CUSTOMER A
PILOT CUSTOMER

MODERN APPROACHES FOR ML IN DISTRIBUTED SYSTEMS

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1. Transfer Learning

2. Federated Learning

CUSTOMER C

PRODUCT

DATA

CUSTOMER B

CUSTOMER A

MODERN APPROACHES FOR ML IN DISTRIBUTED SYSTEMS

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CUSTOMER C

1. Transfer Learning

2. Federated Learning

3. Federated Transfer Learning[1]

PRODUCT

DATA

CUSTOMER A

CUSTOMER B

[1]as seen in Gartner, 2019: https://www.gartner.com/en/documents/3953637/boost-your-training-data-for-better-machine-learning
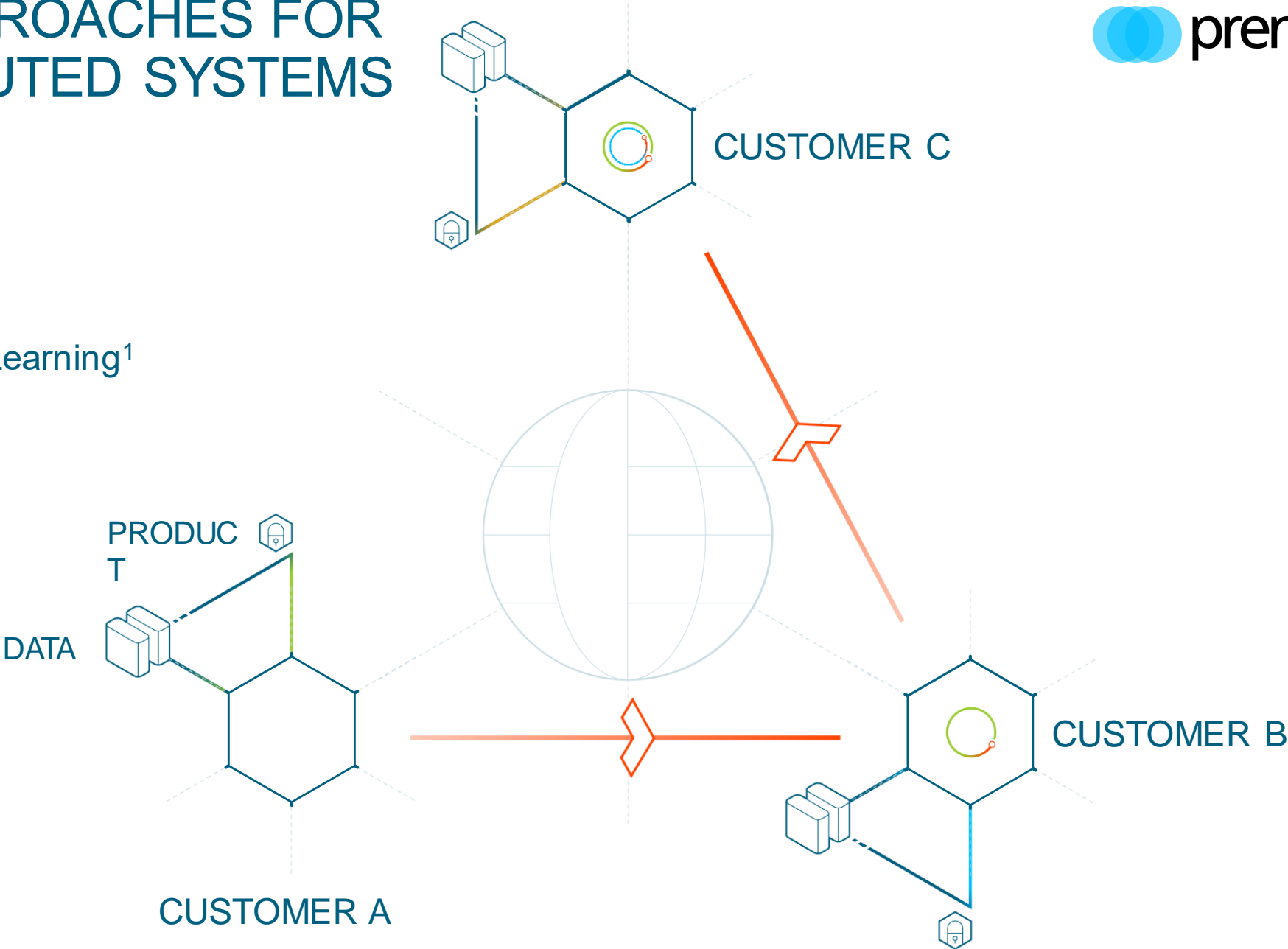
THAT'S WHAT WE DO AT PRENODE!

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ml✕

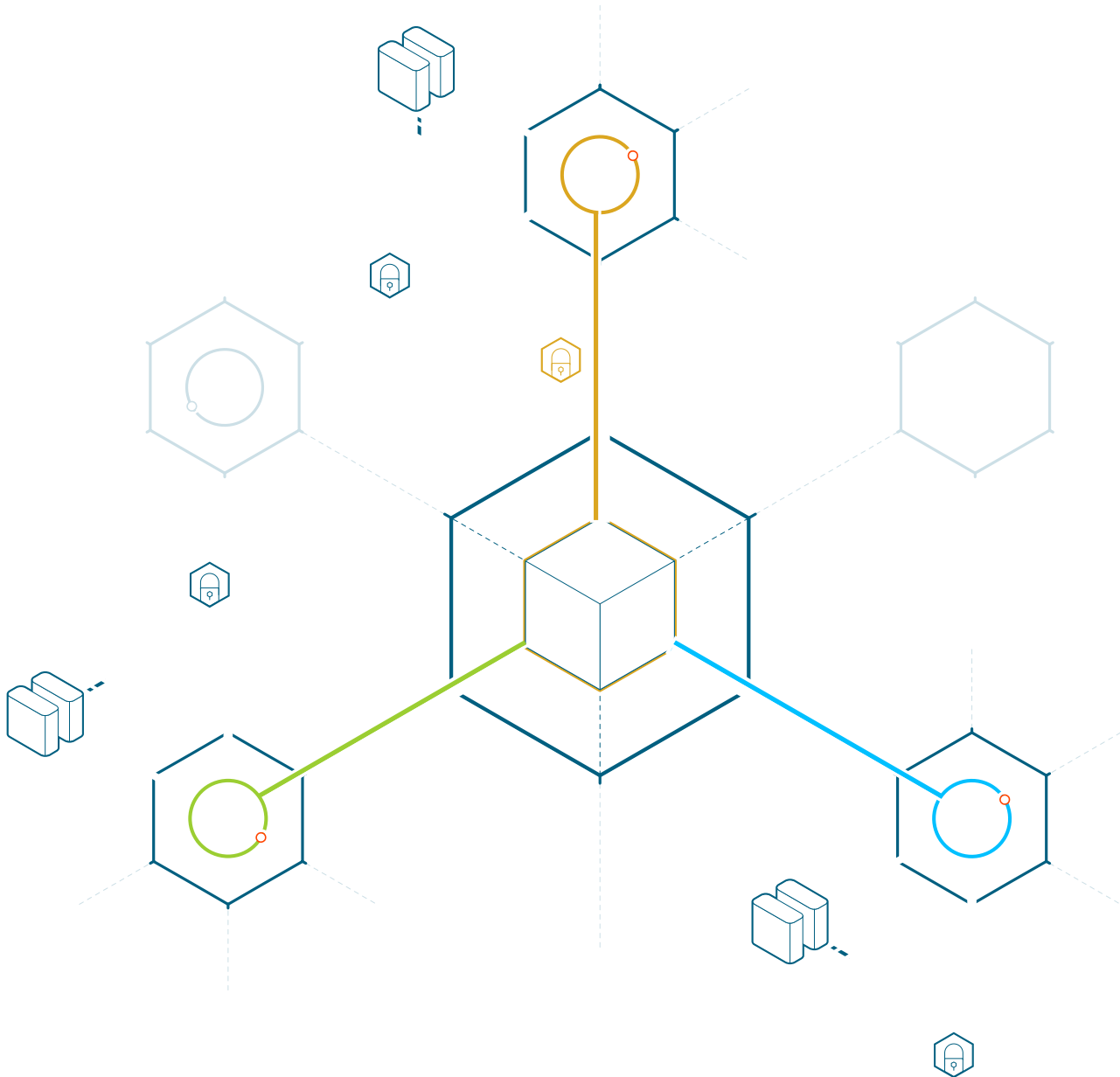- Automated Deployment
- Automated Management of Federated Models
- Privacy-by-design
- Open for Integration

PLEASE CONNECT!

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