Utilize API in automotive industry

Odette Webcast API

Peter Höfner

Head of IT Solution Sales

Public: All rights reserved. DRÄXLMAIER Group | Peter Höfner IA21

WE CREATE CHARACTER

Use Cases initially handled by API Experts Group

DRÄXLMAIER

Candidates for API integration

- Information that is currently not available
  - Process timing does not allow transfer with EDI messages
  - EDI process is not always integrated in real time
  - Frequent data changes

- Use Cases which are currently mainly handled in Supplier Portals
  - Due to Corporate Identity it is not possible to create standards for Supplier Portals
  - However, it is possible to standardize the interface tier using APIs

Commissioning of small load container
- Not suitable for EDI (before truck closed)
- Important early information for recipient's production planning

Packaging instruction
- Shared responsibilities
- Supported by existing workflow in portal

Price adjustments
- Initiated by customer or supplier
- Delays cause high efforts for all participants

Public: All rights reserved. DRÄXLMAIER Group | Peter Höfner IA21

EDI message as macro-service

DRÄXLMAIER

Automotive EDI messages are typical macro-services

- The complete set of information is transferred in one message
- The complete exception handling has to be defined within the message

Low adaption rate

- Typical onboarding time for one supplier is six month (!)

Level of standardization

- High regarding main service / happy path
- Low when it comes to exception handling

Public: All rights reserved. DRÄXLMAIER Group | Peter Höfner IA21

API Micro-Services as an advantage

DRÄXLMAIER

API offers the chance to split Use Cases in Micro-Services

- Information can be transferred whenever available and helpful in the process – time decoupling
- Main Flow / happy path as individual service
- Alternate Flow / exception handling
  - Can be handled in Portal
  - Standardized or individual API services according to 80 / 20 rule

Increased adaption rate

- Onboarding should become a matter of weeks (initially) and can be reduced to days (consecutive)

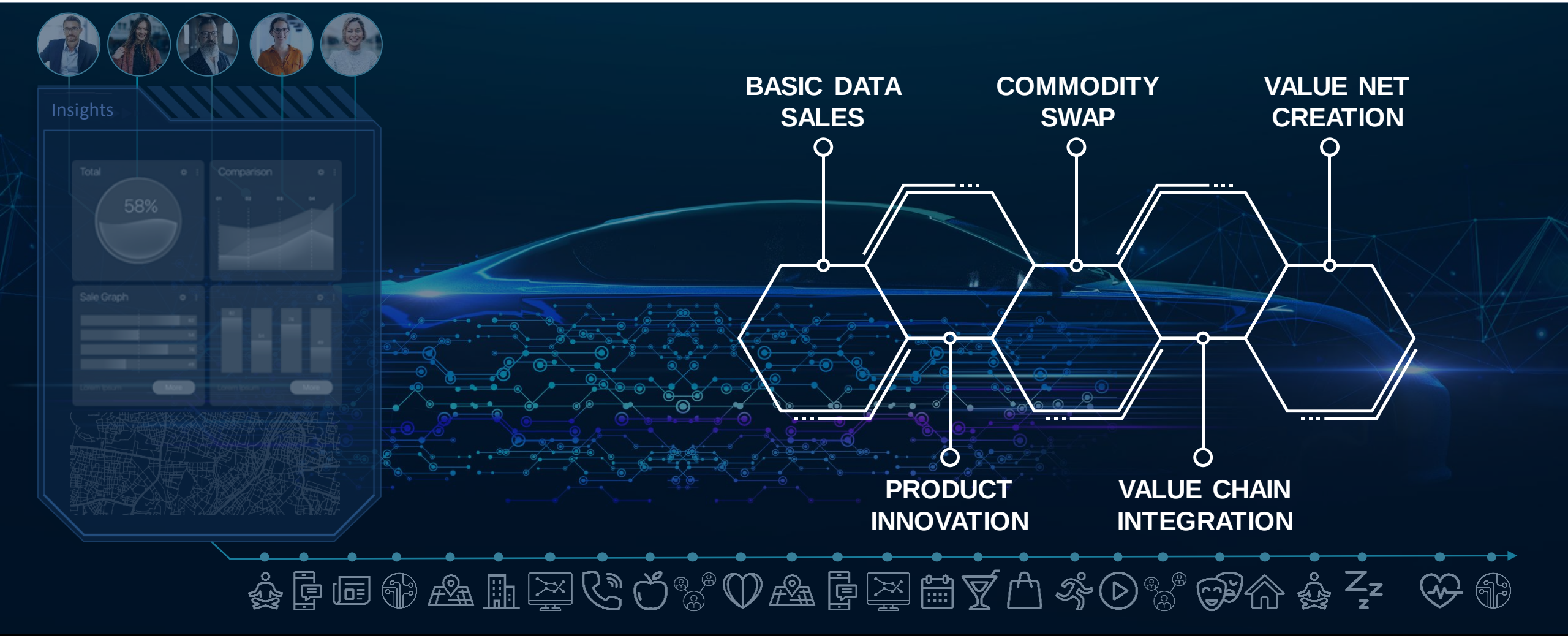
Increased level of standardization

- Allow customer independent, generic integration for main service
- Standardize exception handling if possible
- Customer specific exception handling where required

Public: All rights reserved. DRÄXLMAIER Group | Peter Höfner IA21

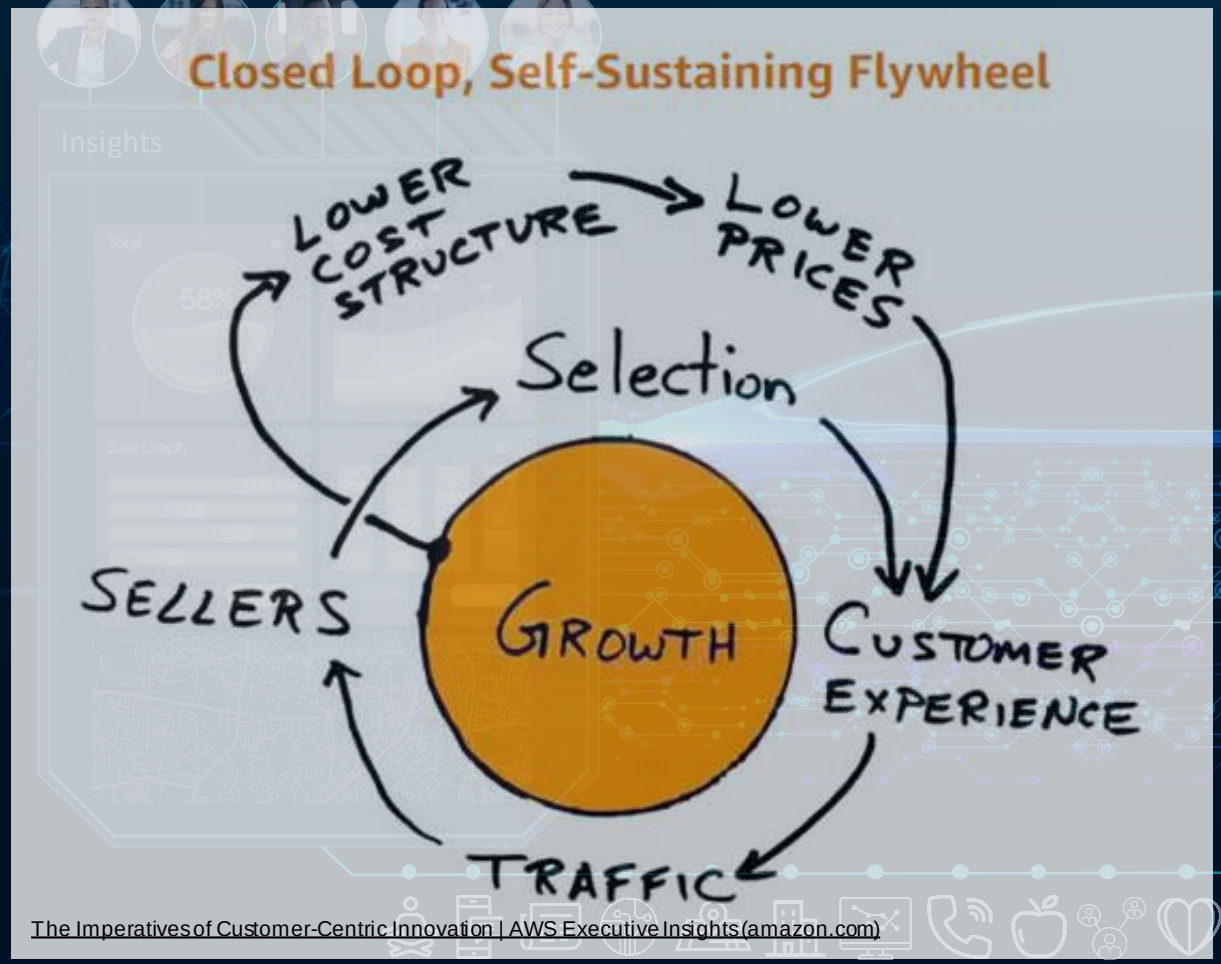
Data Monetization
& Customer Centric Innovation by Amazon

DRÄXLMAIER



Public: All rights reserved. DRÄXLMAIER Group | Peter Höfner IA21

Data Monetization
& Customer Centric Innovation by Amazon



The Imperatives of Customer-Centric Innovation | AWS Executive Insights (amazon.com)

- Create a business case for logistic innovation & optimization
- Bring Logistics and Purchasing / Procurement together
- Reward and recompense suppliers that allow, embrace and support innovation

Q & A

Public: All rights reserved. DRÄXLMAIER Group | Peter Höfner IA21

Thank you!

Public: All rights reserved. DRÄXLMAIER Group | Peter Höfner IA21