

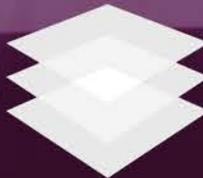
# LIVESTREAM HOUR

## DRIVING INNOVATION IN PRODUCTION AND LOGISTICS

In Partnership



**FRACHT**  
logistics solutions



**PROACT**  
INTERNATIONAL



**HORIZON**  
AUTO LOGISTICS

AUTOMOTIVE  
**FESTIVAL of TRANSFORMATION**  
SURVIVING AND THRIVING IN 2020

from

**Automotive  
LOGISTICS**

&

**ams**

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# Today's Guests



**Amlan Bose**

VP inbound, supply chain,  
customs & exports, centre of  
excellence of Ford International  
Market Group (Asia Pacific, MEA  
and South America)

**Ford India**



**Bart Huthwaite, Jr.**

Principal –  
Automotive Sector  
**EY**



**Host:**

**Christopher Ludwig,**  
Editor-in-Chief  
**Automotive Logistics**  
**AMS**

# Running order – 90 minutes

**14.30-14.45**      **Global crisis roundup, supply chain IT trends**  
-Christopher Ludwig, Automotive Logistics, AMS

**14.45-15.10**      **Ford's global journey to a digital supply chain**  
-Amlan Bose, Ford Motor Company

**15.10-15.30**      **From linear to network supply chains**  
-Bart Huthwaite, EY

**15.30-15.50**      **Panel discussion**

**15.50-15.55**      **Conclusion and close**

# Recent restarts and re-openings...



- UK: **Nissan** (Sunderland), **JLR** (Halewood), **Honda** (Swindon...pending global cyberattack)



- Germany: **Opel** (Eisenach, Rüsselsheim)

- Poland: **FCA** (Tychy)



- **BMW** Europe plants on two shifts by mid-June

- US: **Nissan** (Smyrna), **Volvo Cars** (Charleston), **Mercedes-Benz** (Tuscaloosa)



- **GM, Ford, FCA** increasing truck production



- Mexico: **VW, Audi** June 15



- Brazil: **VW** (Sao Bernardo do Campo)

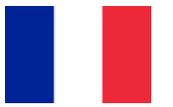


- India: **Skoda, Tata** reopens all plants

## ...others closed/slowed on low demand



- Many FCA plants in Italy will stay closed or at low levels through June and July



- Several PSA and Renault plants remain closed

- JLR Castle Bromwich closed until August



- Hyundai-Kia slows output in South Korea





## Incentives: an electric new deal for the EU?

- Germany package aimed at EVs, plug-in hybrids
- Unlike France, no ICE incentives (but VAT reduced 3%)
- Italy discussions for incentives at Euro 6 vehicles
- Some worry EV incentives don't help overall supply chain – i.e. UK reportedly reconsidering increasing EV/hybrid-focused incentive that would benefit overseas OEMs
- Europe ramping up EV and battery output, but can OEMs do it in time? (i.e. BMW to import electric X3 from China)
- EU recovery and 'green deal' –opportunity for logistics providers to invest in greener fleets, fuels & equipment
- Industry calls for more charging infrastructure investment, including for commercial vehicles
  
- Not all regional incentives will be green: any US 'cash for clunkers' unlikely to be EV focused

## Cost reduction programmes will target supply chain

- Volkswagen Group, GM, Renault Nissan Mitsubishi targeting reduced R&D spend, fewer platforms, more shared parts (i.e. 'upper bodies') and fewer derivatives – more focus likely on EV and connectivity
- PSA-FCA merger will have similar focus (even if adjustments made for vans)
- Alliances and collaboration in development and supply chain, i.e. Ford and Volkswagen on EVs and CVs
- OEM and supplier plant closures likely, notably in Europe: plants in Spain, France, Italy and UK in focus





## Supply chain & logistics networks recovering, but still face risks

- Ocean shipping schedules under strain: container shipping blank sailing, around one-third of car carrier fleet still idled
- Air freight still disrupted – though rates have eased
- Automotive rail freight network in North American had been ‘dismantled’ – rail wagons still under capacity
- Border checks and inspection delays
- Logistics labour & driver shortages, i.e. India
- Key automotive supply regions and markets still have high infection rates, i.e. US, Mexico, India and Brazil
- Supplier liquidity risks
- Bullwhip risks evident in some regions – i.e. truck shortages in US, EV/hybrid possibly in Europe
- Supply chain fragile and highly susceptible to other disruption: social unrest, weather, trade disputes, cyber security (i.e. Honda ransomware attack), second wave...

# Will this disruption accelerate digital transformation across the supply chain?

## Production and logistics opportunities:

- Real-time visibility and IoT connectivity
- Digital freight booking and contracting
- Dynamic asset and network planning tools
- Paperless and contactless delivery processes
- Digital twins (supply routes, facility layout, network)
- Advanced S&OP planning and demand forecasts
- Automated handling and warehouse operations
- ...from descriptive to predictive data analytics
- ...the path to AI and self-driving supply chains



# Presentation + Q&A: The now, near and far of digital supply chains



## **Amlan Bose**

VP inbound, supply chain,  
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# Presentation + Q&A: From linear to networked supply chains



**Bart Huthwaite, Jr.**

Principal –

Automotive and Transportation Sector

**EY**



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AUTOMOTIVE

# FESTIVAL *of* TRANSFORMATION

SURVIVING AND THRIVING IN 2020

SPRING – SUMMER

2020

**03 JUNE**

FINISHED VEHICLE LOGISTICS: RESTARTING THE NETWORK

THE LIVESTREAM HOUR:

**10 JUNE**

DRIVING INNOVATION IN PRODUCTION & LOGISTICS

THE LIVESTREAM HOUR:

**17 JUNE**

AUTOMOTIVE SUPPLY CHAIN IN FOCUS - EUROPE

THE LIVESTREAM HOUR:

**24 JUNE**

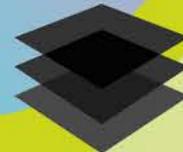
AUTOMOTIVE SUPPLY CHAIN JUNE UPDATE

MAIN STAGE:

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# Get in touch with news, ideas and comments

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