YOUR VOICE FOR BLOCKCHAIN IN THE SUPPLY CHAIN

CBSCA
Canadian Blockchain
Supply Chain Association
EMERGING FROM THE NOISE

TECHNOLOGY MADE FOR THE SUPPLY CHAIN
Gartner: “Blockchain will move the world economy away from slow, expensive, analog methods used since the 19th century.”
Traditional supply chains can be complex
With dozens, if not hundreds of touch-points
But the flow of information is still very ________________ linear
BLOCKCHAIN SUPPLY CHAIN

Seller  Manufacturer  Carrier  Gov’t  Distributor  Buyer

Purchase Order  Purchase Order  Purchase Order  Purchase Order  Purchase Order  Purchase Order
Sales Order  Sales Order  Sales Order  Sales Order  Sales Order  Sales Order
Waybill  Waybill  Waybill  Waybill  Waybill  Waybill
Customs  Customs  Customs  Customs  Customs  Customs
Inventory  Inventory  Inventory  Inventory  Inventory  Inventory
Payment  Payment  Payment  Payment  Payment  Payment

S H A R E D L E D G E R
As with most emerging technologies, adoption is slow. Here lies our mission.
## Blockchain Developers Around The World

<table>
<thead>
<tr>
<th>Country</th>
<th>Programming Background:</th>
<th>Blockchain + Python</th>
<th>Blockchain + C#</th>
<th>Blockchain + Ruby</th>
<th>Blockchain + Java</th>
<th>Blockchain + Solidity</th>
</tr>
</thead>
<tbody>
<tr>
<td>U.S.</td>
<td>7,752</td>
<td>23,542</td>
<td>2,168</td>
<td>9,784</td>
<td>3,641</td>
<td></td>
</tr>
<tr>
<td>Canada</td>
<td>1,520</td>
<td>3,803</td>
<td>403</td>
<td>2,057</td>
<td>781</td>
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<tr>
<td>U.K.</td>
<td>1,465</td>
<td>4,736</td>
<td>393</td>
<td>2,215</td>
<td>1,010</td>
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<tr>
<td>Germany</td>
<td>931</td>
<td>931</td>
<td>196</td>
<td>1,313</td>
<td>574</td>
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<tr>
<td>Ukraine</td>
<td>399</td>
<td>1,356</td>
<td>99</td>
<td>522</td>
<td>403</td>
<td></td>
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<tr>
<td>Poland</td>
<td>394</td>
<td>1,166</td>
<td>96</td>
<td>539</td>
<td>285</td>
<td></td>
</tr>
<tr>
<td>India</td>
<td>5,377</td>
<td>16,870</td>
<td>519</td>
<td>8,364</td>
<td>2,561</td>
<td></td>
</tr>
</tbody>
</table>
BLOCKCHAIN IN CANADA

280 companies

1 Ontario
2 British-Columbia
3 Québec
SUPPLY CHAIN

Source: 2019 Report of the state of the Canadian Blockchain Ecosystem by The Information and Communications Technology Council (ICTC)
BARRIERS TO ADOPTION

IMPERFECT INFORMATION

THIRD PARTIES

INSTITUTIONAL INERTIA
Working with Governing bodies

Standardization / Interoperability

Open Source
COLLABORATION

STANDARDS
WORKING GROUPS
PILOTS
OUR COMMUNITY

LIKE-MINDED MEMBERS WHO WANT TO ACCELERATE THE ADOPTION OF BLOCKCHAIN RELATED TECHNOLOGIES WITHIN THE CANADIAN SUPPLY CHAIN ECOSYSTEM
MEMBERSHIPS

INDIVIDUAL AND CORPORATE
### OUR MEMBER ROADMAP

<table>
<thead>
<tr>
<th>Government</th>
<th>Industry</th>
<th>Learning</th>
<th>Logistics</th>
<th>Technology</th>
</tr>
</thead>
<tbody>
<tr>
<td>CBSA</td>
<td>Food</td>
<td>Universities</td>
<td>Air Cargo</td>
<td>Blockchain</td>
</tr>
<tr>
<td>CFIA</td>
<td>Pharma/Cannabis</td>
<td>Associations</td>
<td>Sea Cargo, ports</td>
<td>IoT</td>
</tr>
<tr>
<td>Health Canada</td>
<td>Aerospace</td>
<td>Retail</td>
<td>Truck</td>
<td>AI</td>
</tr>
<tr>
<td>Provincial</td>
<td>Mining</td>
<td>Mining</td>
<td>Rail</td>
<td>Fintech</td>
</tr>
</tbody>
</table>
Our members and partners

Air Canada Cargo

CIFFA

Canadian International Freight Forwarders Association

Concordia University

DAML Driven

DLT Labs

FreightPath

Hyperledger

Morpheus Network

GS1 Canada

Standards Council of Canada

Conseil canadien des normes

And supply chain professionals from across the industry
WHY JOIN AN ASSOCIATION?
“THE NEEDS OF THE MANY OUTWEIGH THE NEEDS OF THE FEW”

Mr. Spock
WHY JOIN?

ADVOCACY, COLLABORATION AND EDUCATION

- Shape Advocacy initiatives with different levels of government
- An opportunity to learn from and interact with peers to advance commercially viable results
- Help build Consensus and Standards
- Better visibility to and from industry projects and trends
- Helps to promote Digital Transformation and competitiveness
- Reach a highly targeted audience
HELP OUR MEMBERS ADVANCE COMMERCIALLY Viable RESULTS THROUGH DIALOGUE AND STANDARDIZATION
“The supply chain industry needs to move forward with technology for it to become more sustainable. There is too much waste. By combining things like IoT to collect data, blockchain to store the data and AI to process it, we can take our industry to the next level.”