



# Scaling Up 2024



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## Scaling Up in Trois-Rivieres: An opportunity for biobased industries

# Trois-Rivières on the Path to Decarbonization



Trois-Rivières, a university and collegial town and a hub for research and development



# Studies Highlight Trois-Rivières as a Key Hub for Canada's Bioeconomy



## Étude sur l'économie biosourcée dans la région de la Mauricie

Étude réalisée par



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Bioeconomy Development Opportunity Zone Risk Rating | BDO Zone Designation: Trois-Rivières, QC

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BDO Zone Rating **'A'**

### Bioeconomy Development Opportunity Zone Risk Rating

The Trois-Rivières, QC Bioeconomy Development Opportunity Zone is rated 'A'. There are significant quantities of pulpwood and forest residue available from public forests with a likely supply guarantee. A robust forest industry can provide a reliable supply chain.

# 'A'

#### Rating Parameters:

Category	Rated Quantity	Delivered Cost	BDO Zone Size
Forest Residues	115,000 dmt/yr	\$135-\$155/dmt	150 km driving distance from Trois-Rivières
Pulpwood	110,000 dmt/yr	\$125-\$140/dmt	
Sawmill Residuals	250,000 dmt/yr	\$40-\$160/dmt	

### BDO Zone Assets

- 475,000 dmt/yr of woody biomass available at low-risk
- Strong forestry and wood industry sectors with a long history of performance
- Access to a large number of potential suppliers, including sawmills and logging contractors
- Despite the potential to process a significant amount of roundwood, sawmills within the Zone are currently utilizing only 68% of the available volume

### BDO Zone Liabilities

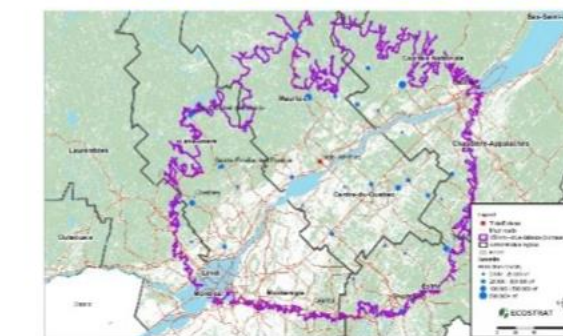
- The significant distance from the proponent to the feedstock suppliers poses a high risk
- Forest Residues supply chains are not developed and require capital investment to scale up

### BDO Zone Risk Rating

The Trois-Rivières, Qc Bioeconomy Development Opportunity Zone is rated 'A', or *very high quality*.

Risk Rating Grades are defined as follows: AAA (*highest quality*), AA (*very high quality*), A (*high quality*), BBB (*good quality*).

#### Trois-Rivières, QC BDO Zone



### Scoring and Ratings Methodology

In assessing the biomass supply chain risk for the Bioeconomy Development Opportunity (BDO) Zone in Trois-Rivières, Quebec (QC), 73 Risk Indicators from the [Canadian Standards for Biomass Supply Chain](#)

Trois-Rivières. Maximum transport distance is based on a 150 km driving distance from this municipality.

The BDO Zone rating is based on an aggregation of the scores assigned to each BDO Zone Risk Indicator (RI) assessed in this report. First, each BDO Zone Risk Indicator is given a **Raw RI** score based on the research and analysis conducted on the feedstock supply chain in the region. Raw RI Scores are scaled between 1 (*low risk*) and 10 (*high risk*).

Next, each Risk Indicator is discounted, or "notched", based on the degree to which the uncertainty drivers are deemed addressable, and whether there is a reasonable expectation that mitigation measures could be put into place within the price parameters for this rating.

The **Notched Salience score**

# Trois-Rivières, for applied research



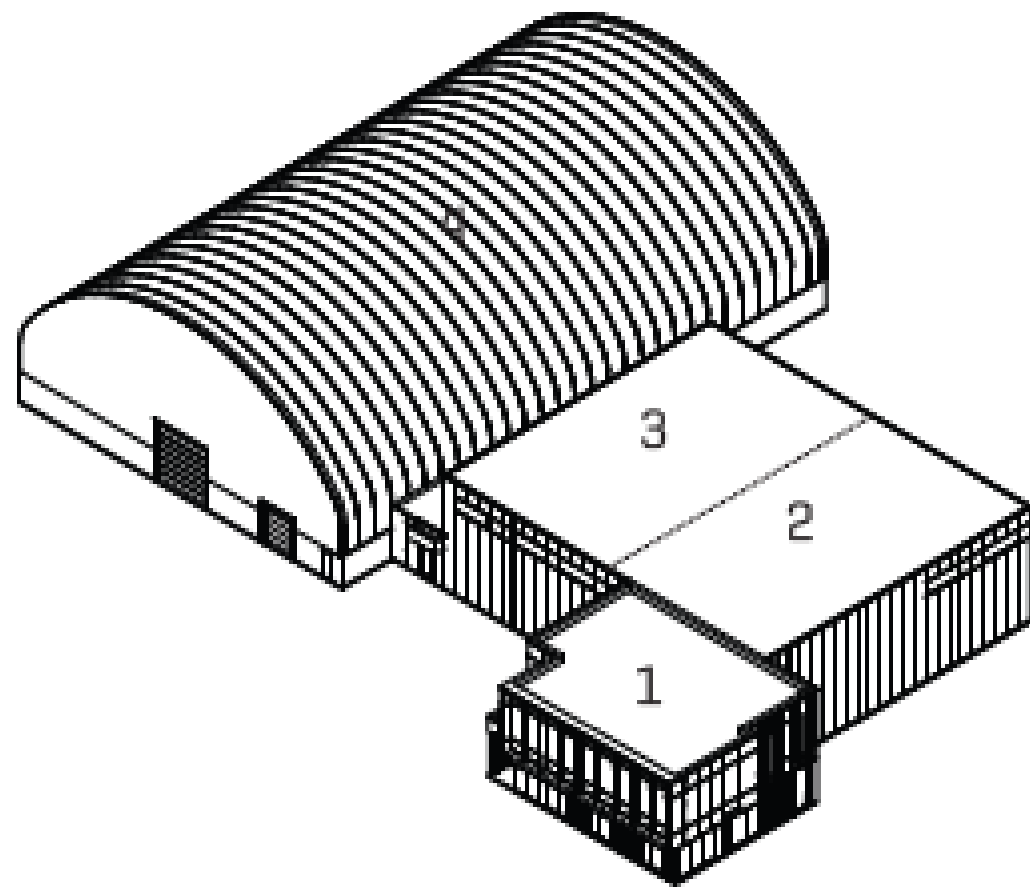


« Hub » des produits biosourcés - Phase 1



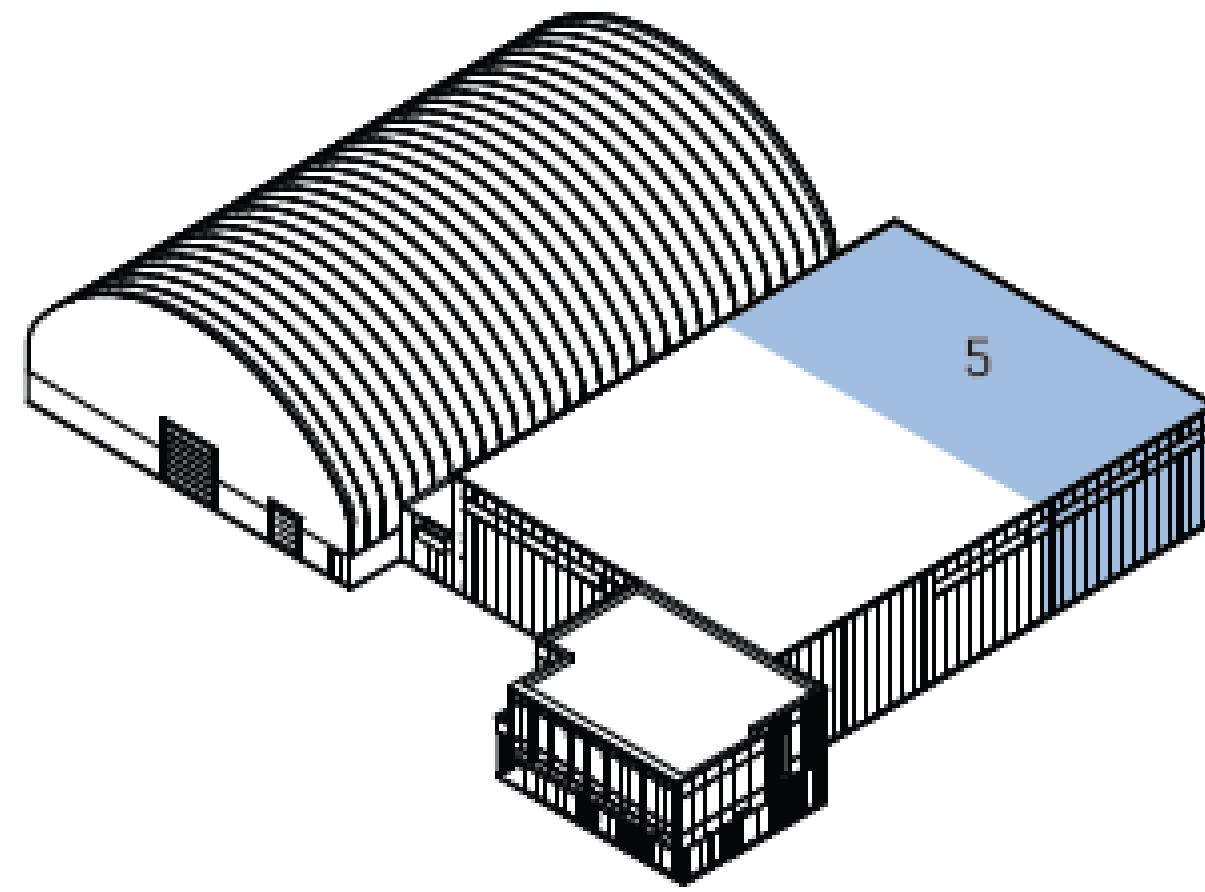
Phase 1 en construction

# Phases of development



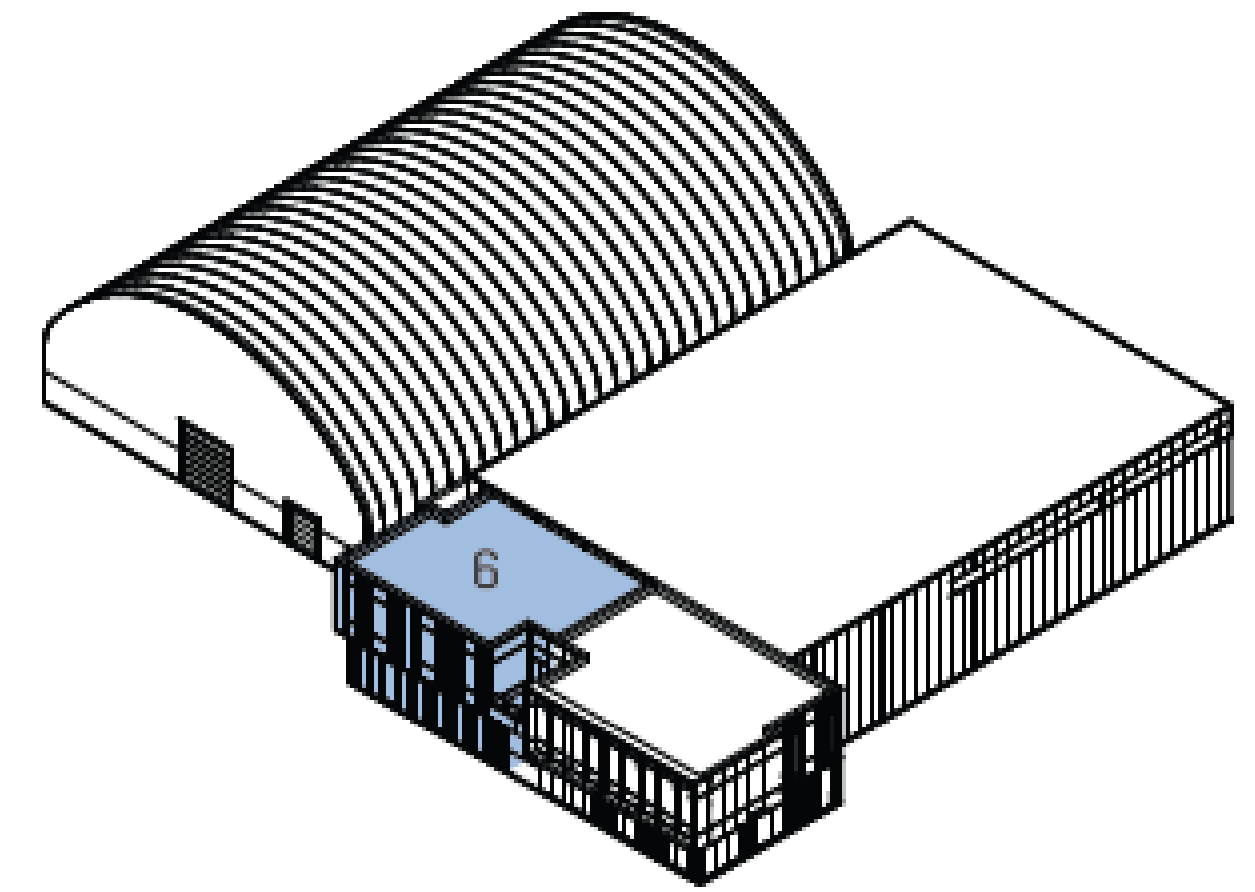
## PHASE 1 (CONSTRUCTION EN COURS)

- 1- BUREAUX ET LABORATOIRES
- 2- SECTEUR EMBALLAGE
- 3- SECTEUR CONVERSION THERMOCHIMIQUE
- 4- CONDITIONNEMENT DE LA BIOMASSE



## PHASE 2 (PROJETÉE)

- 5- AGRANDISSEMENT DES SECTEURS D'EMBALLAGE ET CONVERSION THERMOCHIMIQUE



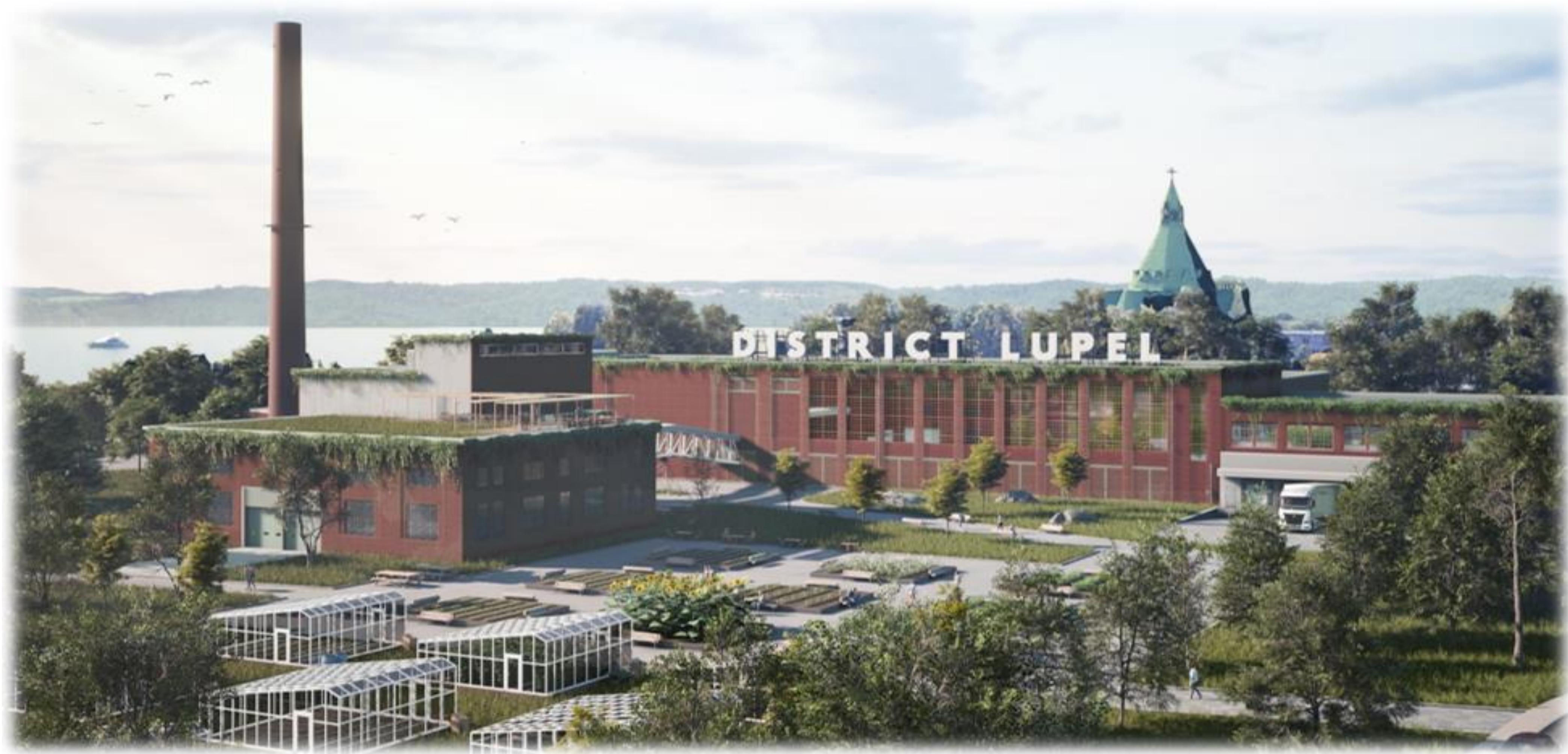
## PHASE 3 (PROJETÉE)

- 6- AGRANDISSEMENT DES BUREAUX ET LABORATOIRES



# New Business Parks





Agri-food ecosystem of businesses, institutions and communities.

DISTRICT  
LUPEL

# Creation of agri-food production and processing facilities



Construction and layout based on producer's needs

# Shared amenities



+100,000 square feet of storage,  
refrigerated and frozen spaces



+50,000 square feet of shared  
common areas

# Shared packaging equipments

- Vertical bagging machine
- Automatic tray sealer
- Semi-automatic tray sealer
- Vacuum packing machine
- Vertical band sealer
- Semi-automatic tape case sealer
- Semi-automatic case former
- Semi-automatic stretch wrapper





An aerial photograph of a dense forest during sunset. The sun is positioned at the top center, creating a bright, golden glow that filters through the trees. The trees are mostly bare, suggesting late autumn or winter, with some evergreens visible. In the far distance, a few buildings and utility poles are visible on the horizon. The word "Vidéo" is written in a white, bold, sans-serif font in the center of the image.

***Vidéo***

