

# DOMINICA SMART DISTANCE LEARNING (DSDL) PROJECT

**Rotary**  
Club of Orléans

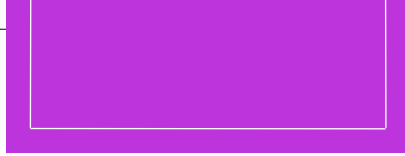


**Rotary**  
Club of Dominica



**Rotary**  
Club of Nepean-Kanata





# BACKGROUND

## DOMINICA SMART DISTANCE LEARNING (DSDL) PROJECT



### **Hurricane Maria Struck In September 2017**

- Prime Minister Skerrit Sought Assistance at the United Nations
- Committed to Rebuilding Dominica to Become “A Climate Resilient Nation”

## ROTARY CLUB OF ORLEANS DOMINICA PROJECTS

### **Rotary Club of Orléans Dominica Projects**

- 2011: Special Needs Training (Autism)
  - 30 Teachers
  - 25 Parents
  - 70 HealthCare Professionals
- 2012: Materials to 18 institutions
  - Books & Sewing Notions
- 2013: 2nd Training Session for Special Needs Teachers

### **Rotary Club of Ottawa South Project**

2014-15: Tropical Storm Erika Derailed Plans For Teacher Training- Funds were diverted to re-building & supplies for schools affected by Erika



# PROJECT OVERVIEW

# **CICan Collaboration: SAGE & Dominica Smart Distance Learning Project**

- DSDL & SAGE are two separate independent projects
- However there is Synergy
  - SAGE funding curriculum
  - DSDL funding delivery platform
- CICan & Rotary Club of Orleans signed MOU- To share information and collaborate wherever possible

## **DSDL-CICan Collaboration to Date**

- 2018- Decided to focus on improving capacity in sustainable building techniques
  - Presented idea to CICan who:
    - Agreed to fund needs analysis, and
    - Conducted On-site training for building roofs (poultry pen),
    - \$45,000 Can for tools and equipment



Colleges and Institutes Canada

Collèges et instituts Canada



SKILLS TO ACCESS  
THE GREEN ECONOMY

**SAGE**

### The **Skills to Access the Green Economy Program**

**(SAGE)** creates a better qualified labor force by supporting demand-driven technical and vocational education and training (TVET) in key occupations needed to introduce climate change mitigation and adaptation initiatives across **Belize, Dominica,**

**Dominica:** Sustainable building techniques, Dominica State College



Toledo ITVET & Stann Creek ITVET

Centre where Adolescents Learn to Love and Service (CALLS)

T.A. Marryshow School of Continuing Education (Farm Campus)

Bina Hill Youth Learning Centre

Ebony Park HEART Academy

## **Dominica Smart Distance Learning Project OBJECTIVES**

- **To build an e-learning platform to facilitate access to Education and Training opportunities from anywhere on the island by:**
  - **Installing a Learning Management System (LMS) accessible from Smart Classrooms in strategic locations across the island**
  - **Allowing access to training from personal computers, tablets and smart phones**
  - **Allowing access to training opportunities in other countries e.g. other SAGE programs, Rotary, Canadian Teachers Federation**

**Initially for Construction Trades but could be used for any educational program.**

## PARTNERS & STAKEHOLDERS

- **Rotary Club of Orléans**
  - International Sponsor Club
- **Rotary Club of Dominica**
  - Host Country Sponsor Club
- **Rotary Club of Nepean-Kanata**
  - International Partner Club
- **Dominica State College**
  - Client
- **Dominica Ministry of Education**
  - Client
- **Dominica Ministry of Telecommunications & Broadcasting**
  - Implementation Partner
- **Dominica Builders & Contractors**
  - Local Champion: Trainers & Trainees
- **Carpenters Training Centre (Kanata)- Local 2041**
  - Smart Classroom & Training

## OTHERS

- **Colleges & Institutes Canada**
  - Needs Analyses
  - SAGE Information Sharing & Collaboration
- **Algonquin College**
  - SAGE info. Sharing & Collaboration
  - Curriculum Development & Support
- **JERA Group**
  - Contractor: Development & Deployment





## Funding Financial Supporters

### Funds Raised: \$17,000 US

- Dominica Association of Ottawa & Diaspora
- Rotary Club of Ottawa South
- Rotary Club of Ottawa West
- Rotary Club of Orleans
- Rotary Club of Dominica

### Matching Funds: \$88,500 US

- Funds Raised (\$17K)
- Canadian Government (\$30K)
- Rotary District 7040
- Rotary District 7030
- Rotary Foundation
- Rotary Matching (\$67.5K)

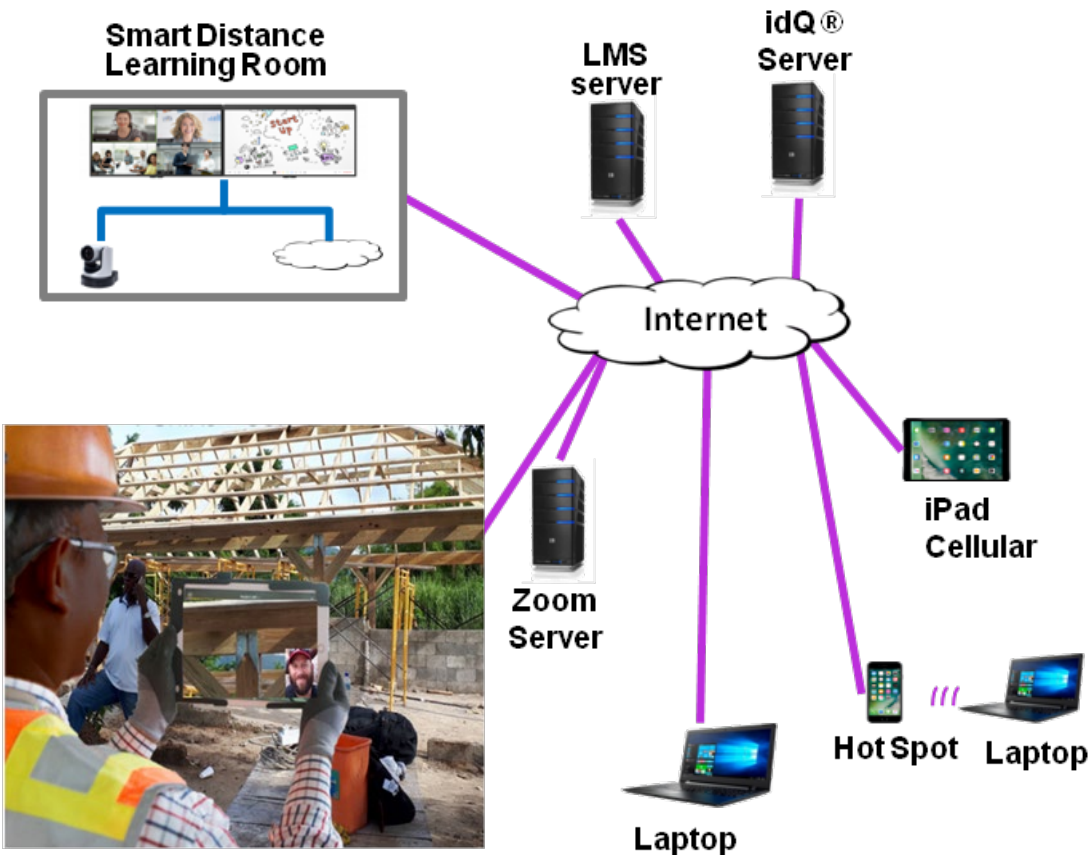
**Total: \$104,500 US**

# Pilot Courses: Building & Construction Technology Courses- Starting February 8, 2021

- GENERAL CONSTRUCTION LEVEL 2
- ELECTRICAL INSTALLATION LEVEL 2
- HEAVY EQUIPMENT MAINTENANCE Level (possibly with Industry assistance)



# TECHNICAL OVERVIEW



- **3 Smart Classrooms**

- 2 in Dominica & 1 in Ottawa
- Supports up to 35 students
- Dual HD 4k screens
- Interactive screen
- Zoom room enabled
- 2 camera solution
- HD audio

- **Remote students**

- **Participate in live learning experiences**

- Access packaged course material
- Recorded lectures
- Any device

- **On-Site-Training**

- Remote on-the-site Interaction
- Active Participation
- Evaluate work progress
- Real-time feedback from remote instructors

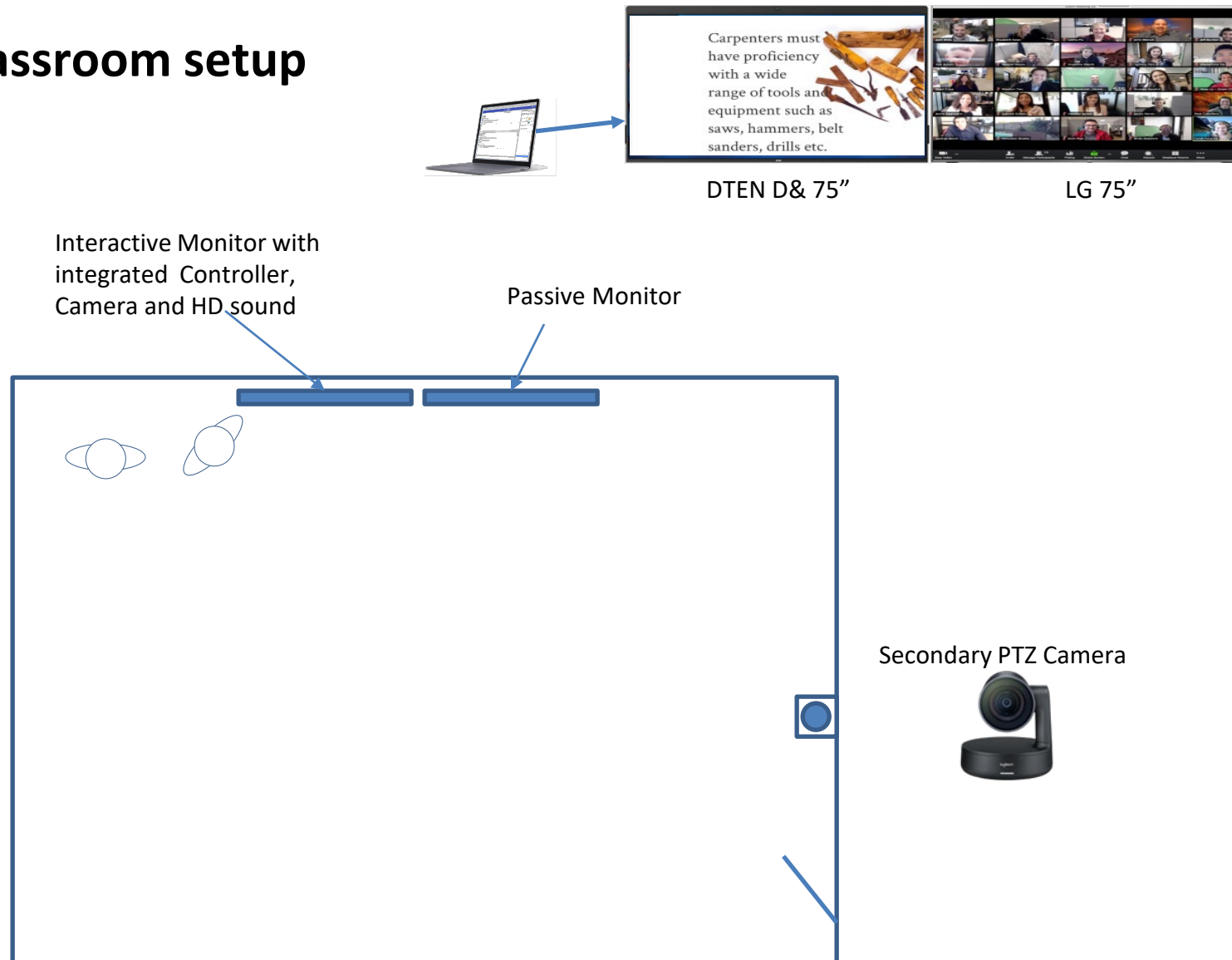
- **Coverage**

- Internet Access ~70% in 2018



# SMART CLASSROOMS

## Typical Classroom setup



# Dominica State College Smart Room

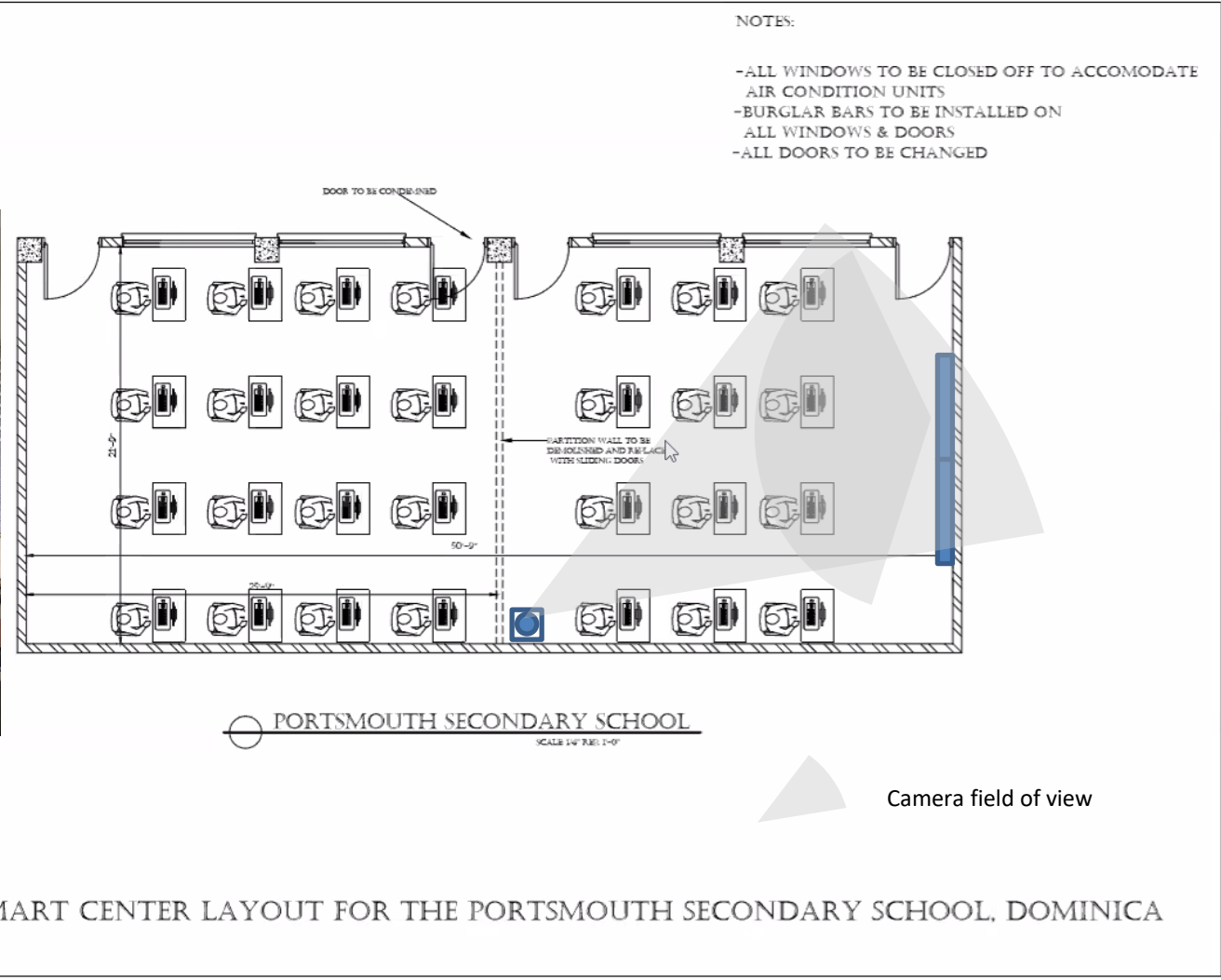
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3% Complete





# Dominica- Portsmouth Secondary School



PROPOSED SMART CENTER LAYOUT FOR THE PORTSMOUTH SECONDARY SCHOOL, DOMINICA



# **Ottawa Smart Classroom Local 2041-Carpenter's Training Centre- Kanata**



# Metrics\*

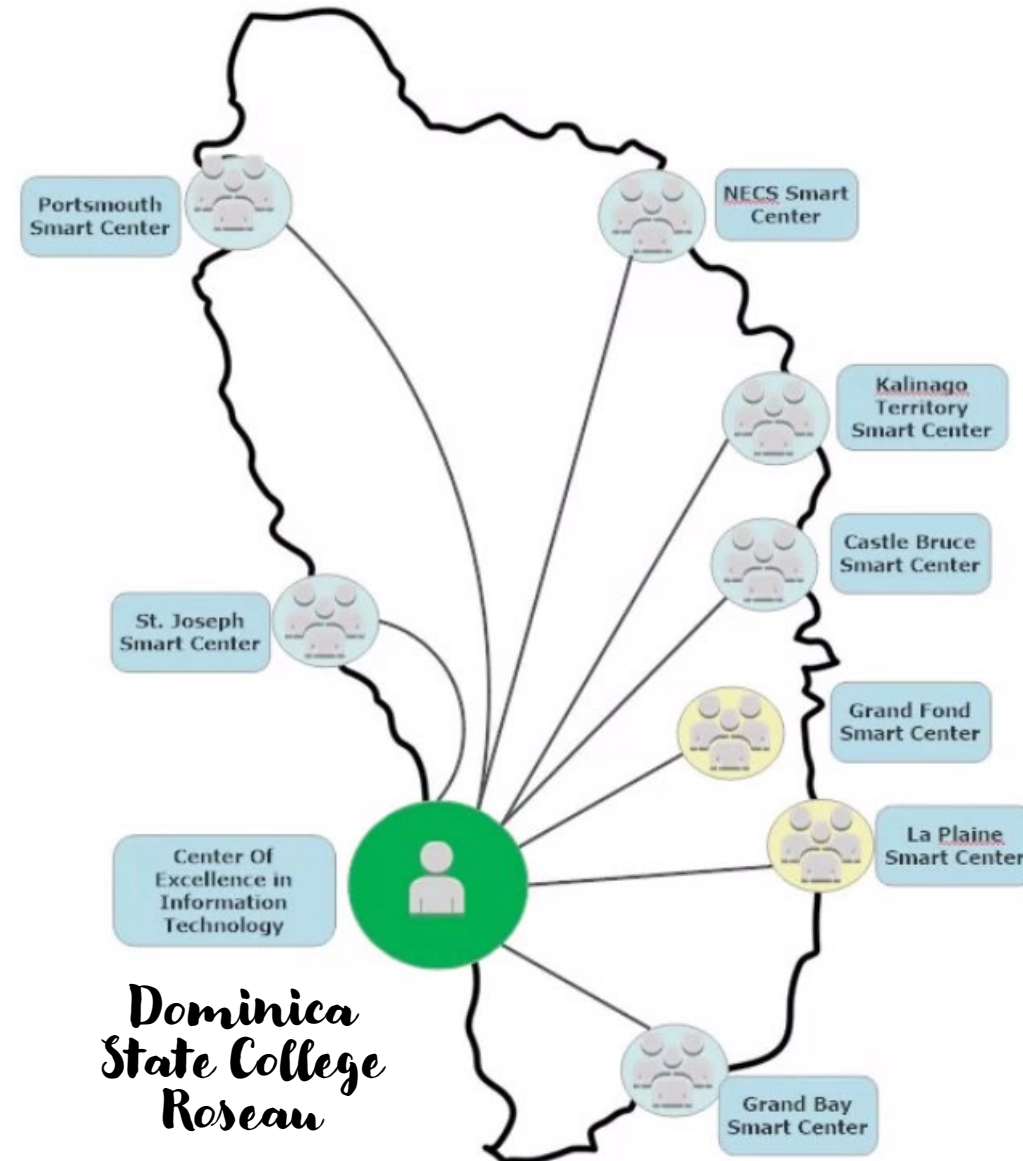
- # of students trained:
  - whether they accessed training in class or remotely
  - working in industry already or new students
  - male or female
  - rural or urban
  - disabled or mobility compromised
  - Indigenous
  - Employment rate

\*Most can be captured through LMS. Some will be captured by surveys.



WHAT'S NEXT?

# Proposed Classroom Locations



# Grand Fond Smart Room

97% Complete





# La Plaine Smart Room

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75% Complete



# Working with Ottawa Clubs to:

- Seven more Smart Classrooms (Rotary Club of Nepean-Kanata to take lead. Other Rotary Clubs might offer to pay to outfit a Smart Classroom)
  - (\$10K-\$15K-\$20K Cdn depending on size of Classroom)
- Delivery of Courses from Canada (i.e. Trades, Special Needs and other Teacher Training) ( Any Rotary Club can take advantage of Ottawa Classroom to deliver courses- scheduled through Rotary Club of Orleans)
- CIGan Educational Program Sharing between six participating Countries & Train the Trainer instructor training
- Computers in the home Program (Modelled after ‘Computers in the School Program’ in Canada)

**Save travelling costs for Rotary training projects.**

# Questions?

- Contact Julia Ginley: [ginleyjulia@gmail.com](mailto:ginleyjulia@gmail.com)