Successful Academic, Private, and Public Sector Collaboration: The Development of the Purdue – Colombia Aviation and Aerospace Network of Excellence

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POLYTECHNIC SUMMIT – JUNE 4-6, 2018
Lima, Peru
The Basis for Success
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The founding Network of Excellence members have come together to focus on the comprehensive improvement of the aviation and aerospace industries of Colombia and the greater Latin American region through successful development and delivery of university-level degree programs, applied research, professional development programs, community outreach, and engagement activities.

Capitalizing on our combined strengths and resources, we are effectively collaborating on mutually identified opportunities and challenges facing the Colombian aviation and aerospace industry.
Sustainable Positive Impacts on Colombia

TRAINING and EDUCATION
- Professional Development Activities

Community Outreach

REPRESENTATIVE STAKEHOLDERS

CHAMPIONS

New Products and Innovation

Research and Development

BS Programs

MS Programs

PhD Programs

ACADEMIA

SECTOR PÚBLICO

SECTOR PRIVADO
Sustainable Positive Impacts on Colombia

- Socio-Economic Impacts
  - Jobs creation
  - Driving Policy change

- Global Competitiveness

- Capacity Building
  - Degree Programs

- Workforce development

Champions

Acedemia

Sector público

Sector privado
The Roles of Purdue University

Depending on the situation..

- Leader
- Facilitator
- Capacity Builder / Supporter
THE BASIS FOR SUCCESS

• Champions embracing education, government, and corporate perspectives.
• Capitalizing on our combined strengths and resources.
• Collaborating on mutually identified opportunities and challenges facing the Colombian Aviation and Aerospace industries.
• Local collaborations support a national movement
The founding members have come together to focus on the comprehensive improvement of the aviation and aerospace industries of Colombia through:

• successful development and delivery of university-level degree programs,
• applied research,
• professional development programs,
• community outreach,
• engagement activities and
• faculty and student mobility activities.
This Network Concept will serve as the ideal model for providing long-term solutions in Colombia through a series of similar network partnerships.
This NOE will inspire broad and positive economic impact throughout Colombia and Latin America.
Purdue-Colombia Aviation and Aerospace NOE

TASK FORCE LEADERSHIP

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2018 POLYTECHNIC SUMMIT MEETING – JUNE 4-6 – Lima, Peru
Purdue-Colombia Aviation and Aerospace NOE

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QUESTIONS
Purdue-Colombia Aviation and Aerospace NOE

SCHOOL OF AVIATION AND TRANSPORTATION TECHNOLOGY

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Major Aircraft Subsystems and Mission Features

- Propulsion
- Aerodynamics
- Structures and Materials
- Flight mechanics and controls
- Sensors and actuators
- Design
- Safety
- Air Traffic Management
- Maintainability

School of Aeronautics and Astronautics
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