

Centro de tecnología de iluminación



Centro de Tecnología en Iluminación

Universidad Autónoma de Guadalajara

Dr. Mauricio Alcocer Ruthling Universidad Autónoma de Guadalajara

Dr. Michael Siminovitch University of California, Davis





California Lighting Technology Center



Michael Siminovitch
Rosenfeld Chair in Energy Efficiency

Professor
University of California, Davis


Director
California Lighting Technology Center

Associate Director
Energy Efficiency Center

Buildings account for almost 50% of total US carbon emissions



Policy drivers for creating Lighting center

1. Develop best practices in lighting
 2. Address educational barriers
 3. Leadership in codes and standards
- 
- A photograph of a modern building at dusk. The building has large glass windows and is illuminated from within, showing a warm glow. The sky is a deep blue with some clouds. In the foreground, there is a paved road with white lane markings and a street sign. Several streetlights are visible, some of which are illuminated, casting a soft light on the road. The overall scene is a well-lit urban environment at twilight.

Lighting Center UC Davis- *advance the application of energy efficient lighting*

1. Research and Development
2. Lighting Demonstrations
3. Education and training
4. *Building Codes and policy*



CALIFORNIA
ENERGY
COMMISSION



UCDAVIS
UNIVERSITY OF CALIFORNIA





Research & Development

Market-driven with industry partners



Demonstration & Outreach

Field testing and feedback from end users and utilities.

Title 24 Exterior lighting

Partnerships on CASE efforts:
PG&E / SCE



Codes and standards

New proposals and training

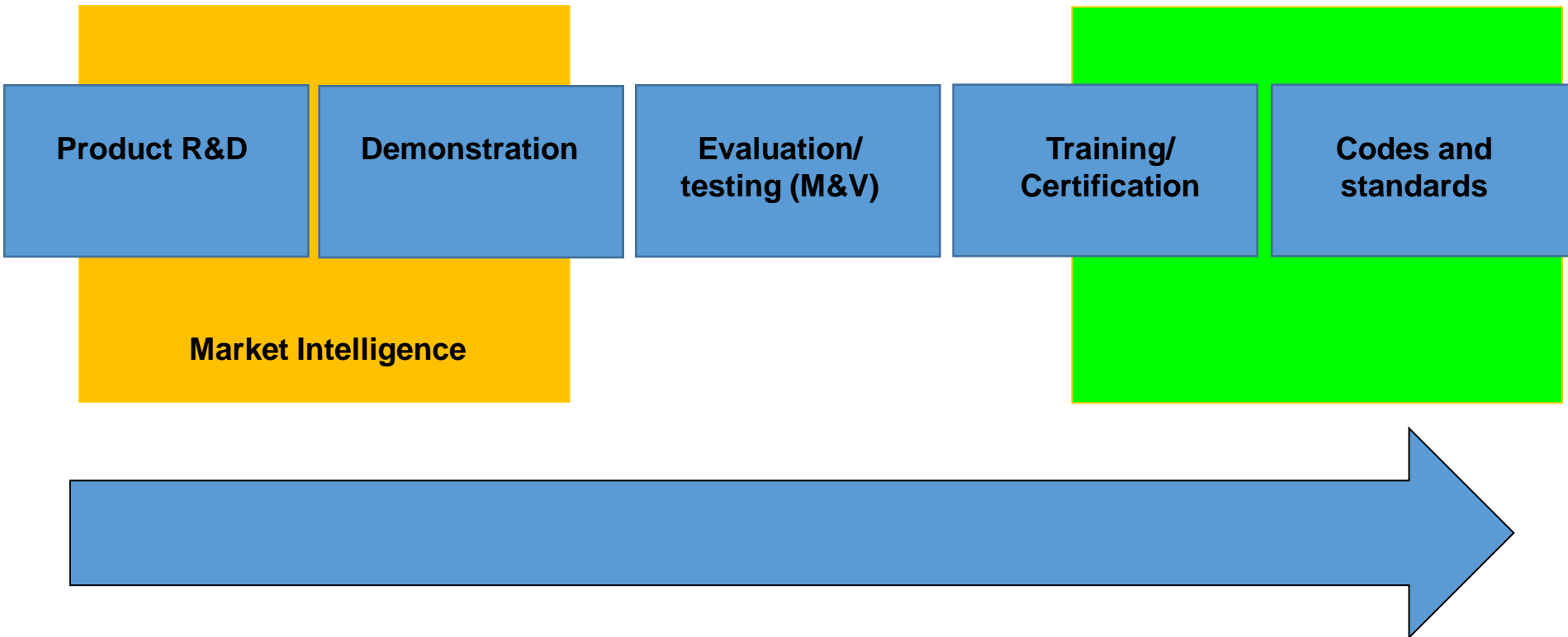


Education & Training

Preparing the workforce of today and tomorrow.

Accelerating the Market Application of Energy Efficient Lighting

Process approach



FOUNDING ORGANIZATIONS



UTILITIES



MANUFACTURERS



LARGE END-USERS




Centro de Tecnología de Iluminación







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Key Partnerships

- Dr. Sergio Medina-Director State of Jalisco Energy Agency
- Hermann Tribukait-Ambassador to North America, Mexico Energy R&D Innovation Funds



Universidad
Autónoma de
Guadalajara

UC DAVIS
UNIVERSITY OF CALIFORNIA

SENER

SECRETARÍA DE ENERGÍA



UNIVERSITY
OF
CALIFORNIA

Background-why do we need a center?

Aggressive goals for energy efficiency and green house gas reduction

To address Barriers

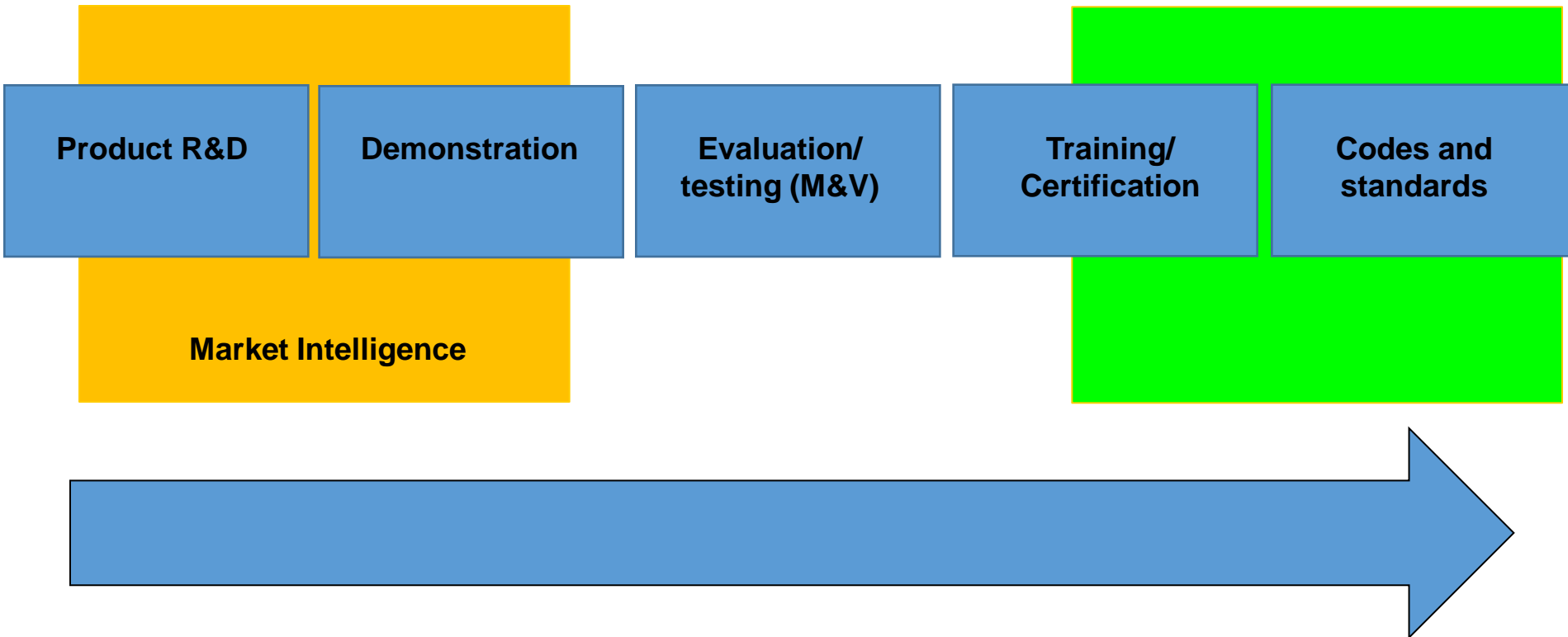
1. Lack of proven technology and best practice solutions
2. Lack of knowledge base with practitioners
1. Lack of standards and aggressive green codes

Building capabilities

- Process (laboratory to market place)
- Human capital
- Laboratories and facilities

Accelerating the Market Application of Energy Efficient Lighting

Process approach



UAG Lighting Technology Center

Mission

Accelerate the application of energy-efficient lighting technology and design

Mauricio Alcocer - Autonomous University of Guadalajara

Michael Siminovitch- University of California

● PROPUESTA CTI

LOCALIZACIÓN



EDIFICIO G
ZONA PATRIA - UAG

SIMBOLOGÍA

CONVENIO
CURSO DE TECNOLOGÍA EN
ILUMINACIÓN - CTI

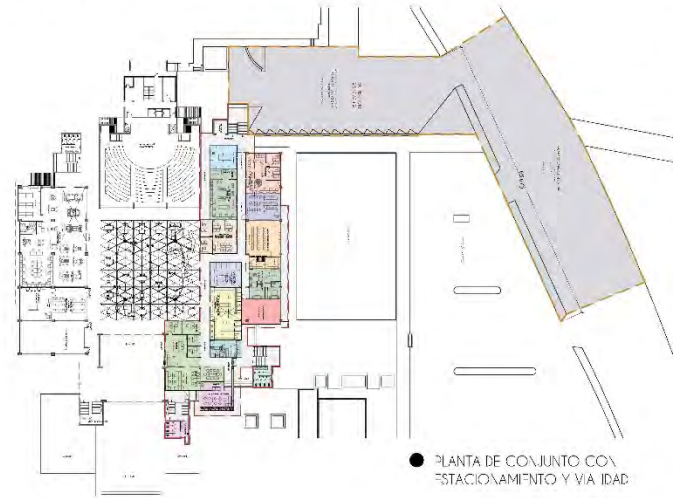
SECA A DUBO
PROYECTOS
UAG
COIA
AÑO 2018. AUTORED

NORTE

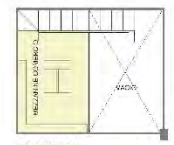
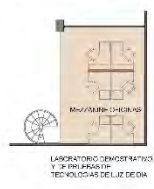


AGENCIA PARA EL DISEÑO Y CONSTRUCCIÓN DE 1980
CALLE SAN JUAN 111 - 20100 - GUANAJUATO, GTO. MEXICO

● PLANTA DE CONJUNTO CON ESTACIONAMIENTO Y VIA IDAD



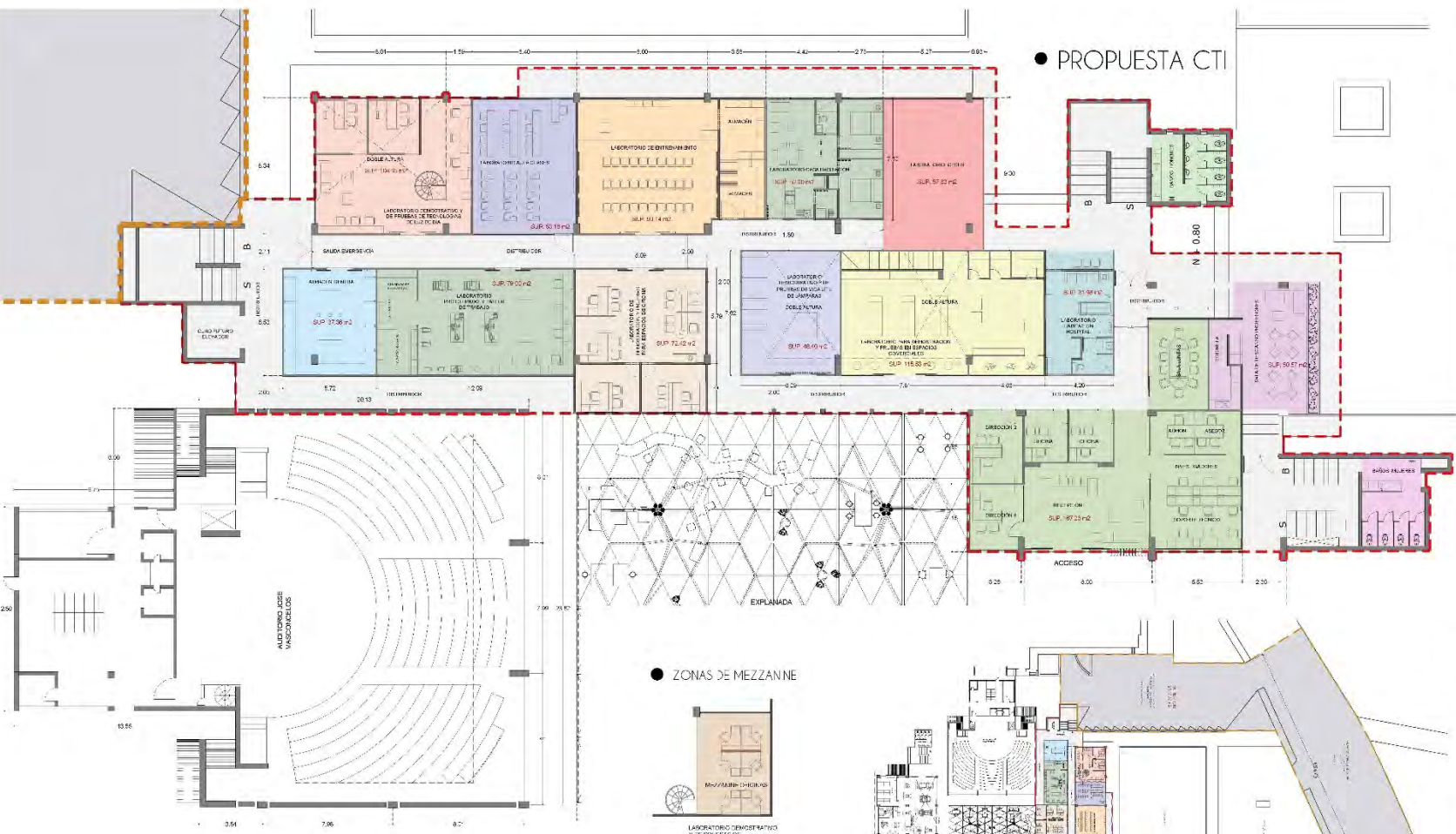
● ZONAS DE MEZZANINE



LABORATORIO PARA DEMOSTRACIÓN Y PRUEBAS EN ESPACIOS CON ESCALERAS

CUADRO DE ÁREAS - EDIFICIO G - CTI

ÁREA DE LABORATORIOS PB Y MEZZANINE	709.26 m ²
ÁREA DE ALMACÉN	37.36 m ²
ÁREA ADMINISTRATIVA	187.23 m ²
ÁREA DE DESCANSO	50.57 m ²
ÁREAS DE CIRCULACIÓN, SERVICIOS Y VOLADOS	538.21 m ²
SUPERFICIE TOTAL DE CONSTRUCCIÓN	1.522.65 m ²
ÁREA DE ESTACIONAMIENTO Y VALIADAZ	2.577.00 m ²



1250

1356

3.54 7.96 8.7

13.56

13.56

