2020 AMCA North America Virtual Region Meeting
General Session

Mark Belke

AMCA North America Region Chair

Introductions & Guidelines

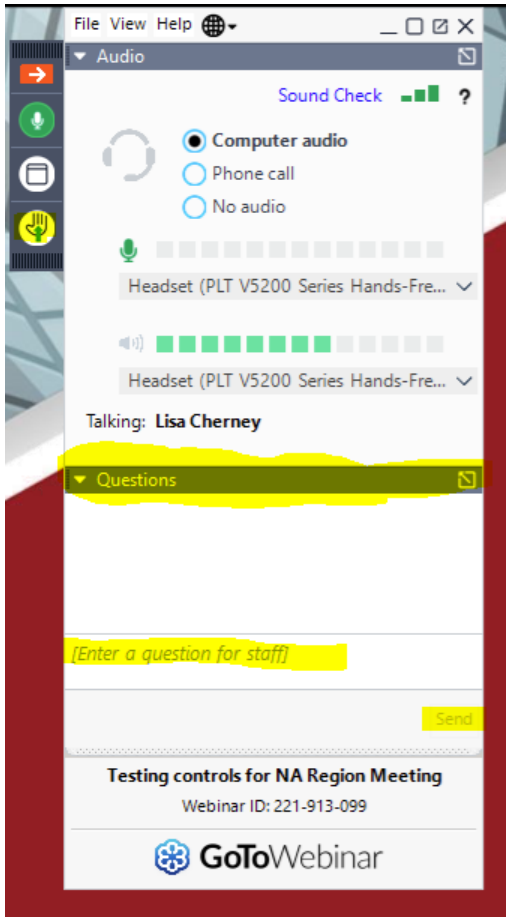
- Today's meeting agenda is attached in the "Handout" section of the attendee control panel along the side of your screen, and can be open/viewed on screen or printed from your computer.
- Audience will be muted during the program.
- Questions can be submitted anytime via the GoToWebinar platform and will be addressed at the end of the presentation. To submit a question:

  1. On the attendee control panel along the side of your screen, select the "Questions" drop down option. ➔

  2. Type your question in the text box and begin with the name of the person to whom your question is directed. ➔

  3. Click "Send". ➔

- Reminder: This program is being recorded.



Call to Order

Roll Call

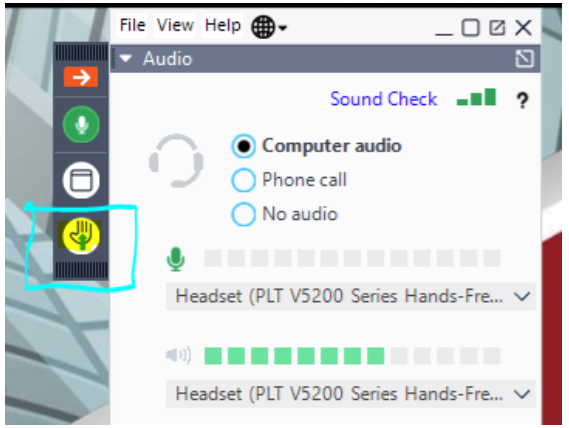
The GoToWebinar registration list will serve as the attendee roll call.

AMCA International's Policies and Guidelines

Available on AMCAConnect:
https://www.amcaconnect.org/home/myamca/members-handbook-details

Adoption of Agenda

The agenda will be adopted by consensus. Please raise your hand on your control panel if you have any additions or objections.



amca INTERNATIONAL

AMCA International, Inc.
General Session
May 28, 2020

2020 North America Region Meeting
Virtual Meeting
9:00 a.m. – 11:00 a.m. CDT

AGENDA

1. Call to Order – 9:00 a.m.

The AMCA Americas Region Chair, Mark Belke will call the meeting to order.

2. Roll Call and Introduction of Staff

Go-To-Webinar registration/sign in list will serve as the attendee/roll call list.

3. AMCA International's Policies and Guidelines

A copy of AMCA's policies and guidelines are available on AMCAConnect.
https://www.amcaconnect.org/home/myamca/members-handbook-details

4. Adoption of Agenda

The agenda may be adopted by consensus.

5. Discussion Topics

5.1 State of the Association – Mark Stevens

5.2 Progress on the Strategic Plan
- Advocacy – Michael Ivanovich
- Marketing and Education – Robb Clawson
  - AMCACares update
- Certified Ratings Program – Nazme Mohsina
  - Lab Update

5.3 2020-2021 Budget – Paul Fajnor

5.4 Committee Status Reports – Brief updates will be presented

- **AMCA 11 –** Nazme Mohsina
- **AMCA 211/511/512 –** Nazme Mohsina
- **AMCA 270** (Fan Array Method of Test) – Joe Brooks
- **Damper Committee –** Joe Brooks
  - Economizer Dampers
  - Damper Casing Leakage
- **Life Safety –** Aaron Gunzner
- **Louver Committee –** Joe Brooks
  - AMCA 500-L
  - AMCA 550
  - Louver Engineering

6. Next Meeting

Air Movement and Air Control Division meetings will be delayed until January 27, 2021.

7. Open Town Hall Meeting – Q&A

8. Adjournment

Discussion Topics

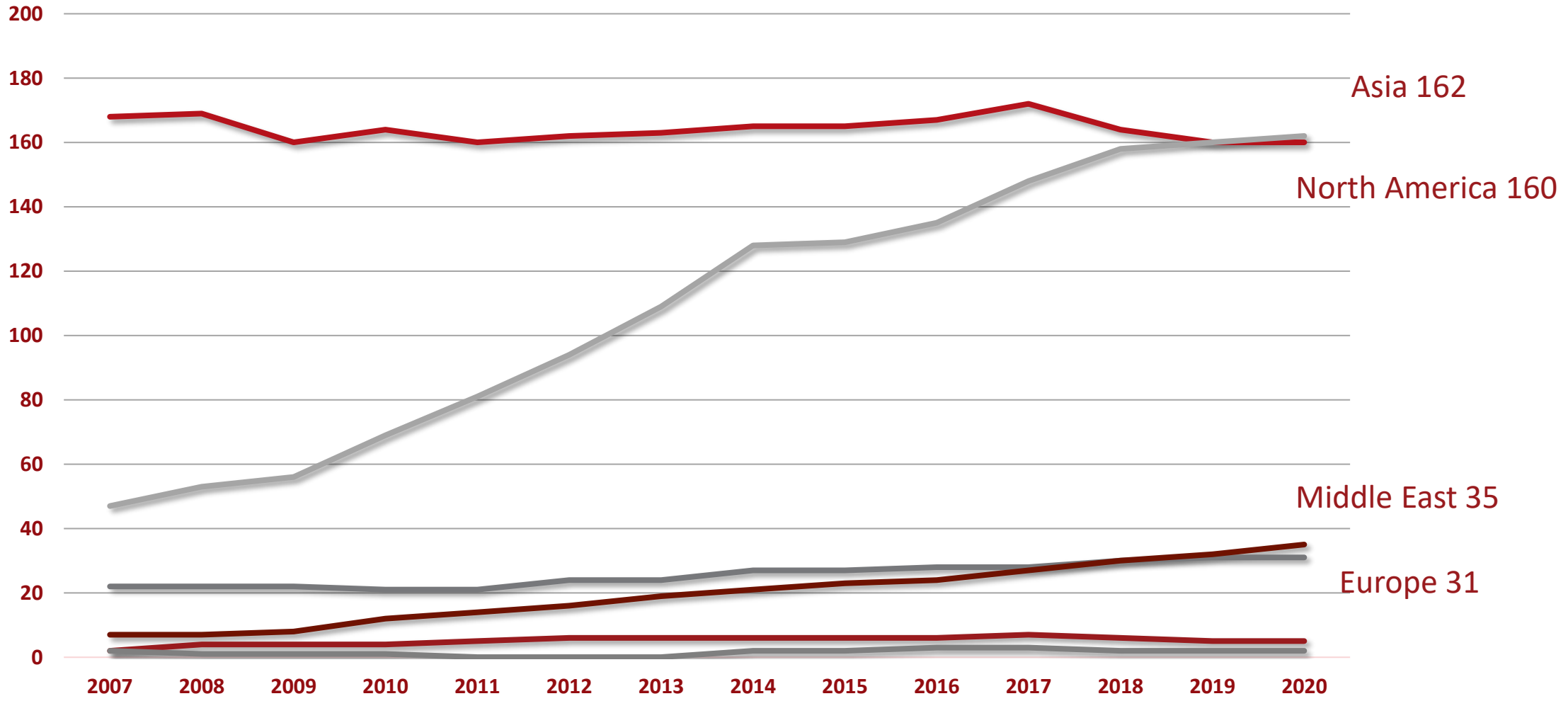
Mark Stevens

Executive Director

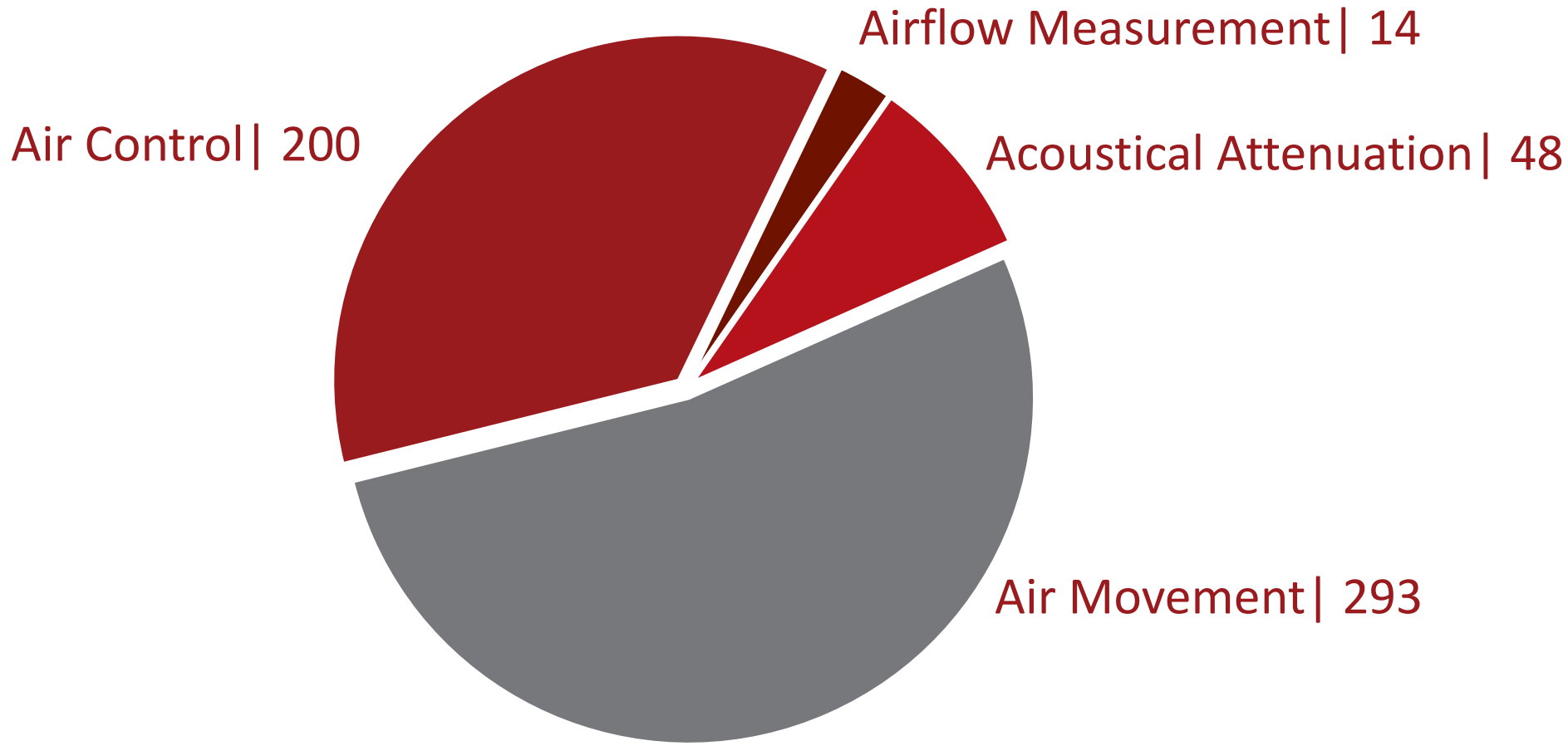
State of the Association

State of the Association

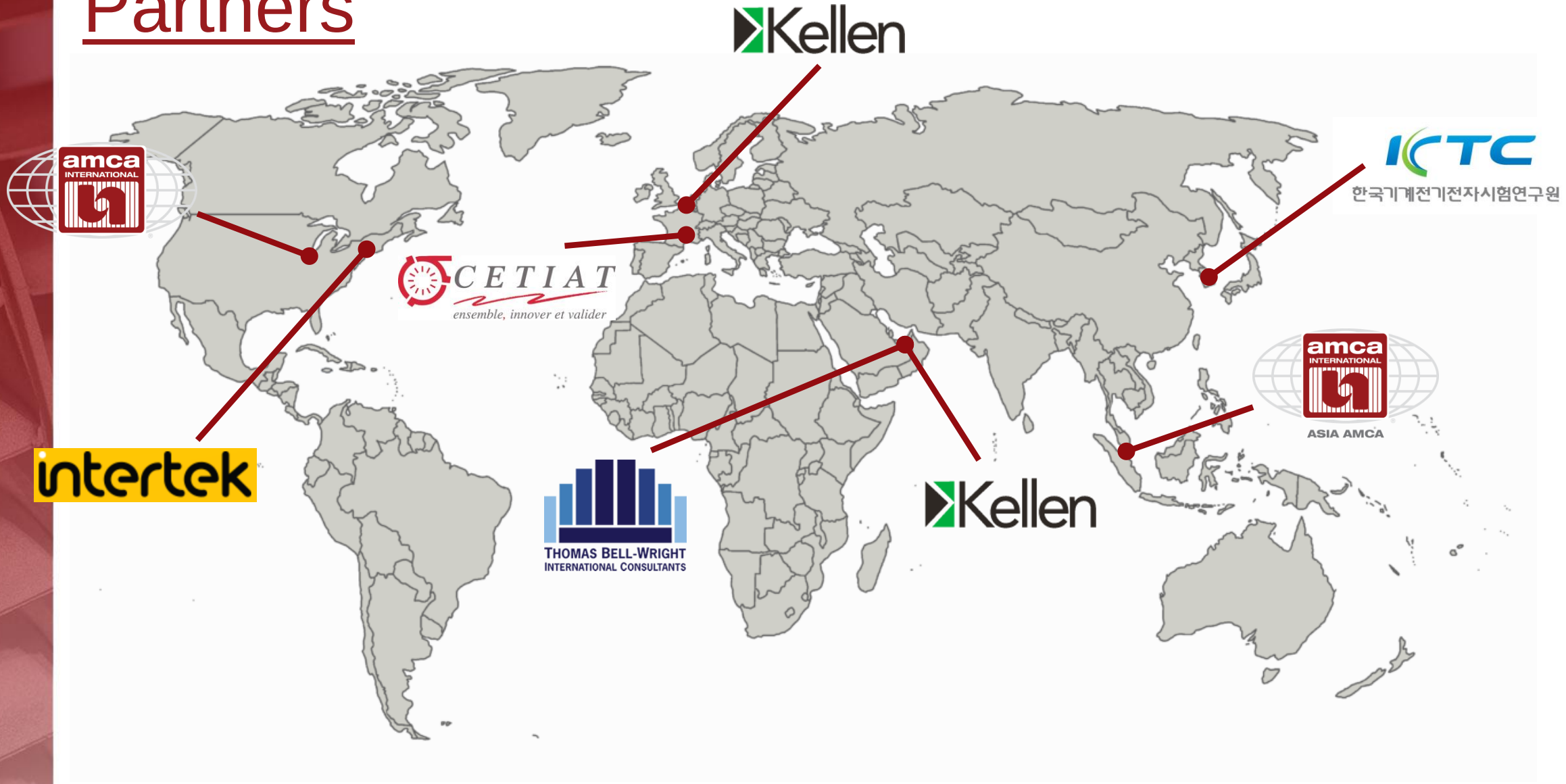
Where We're (Still) Growing



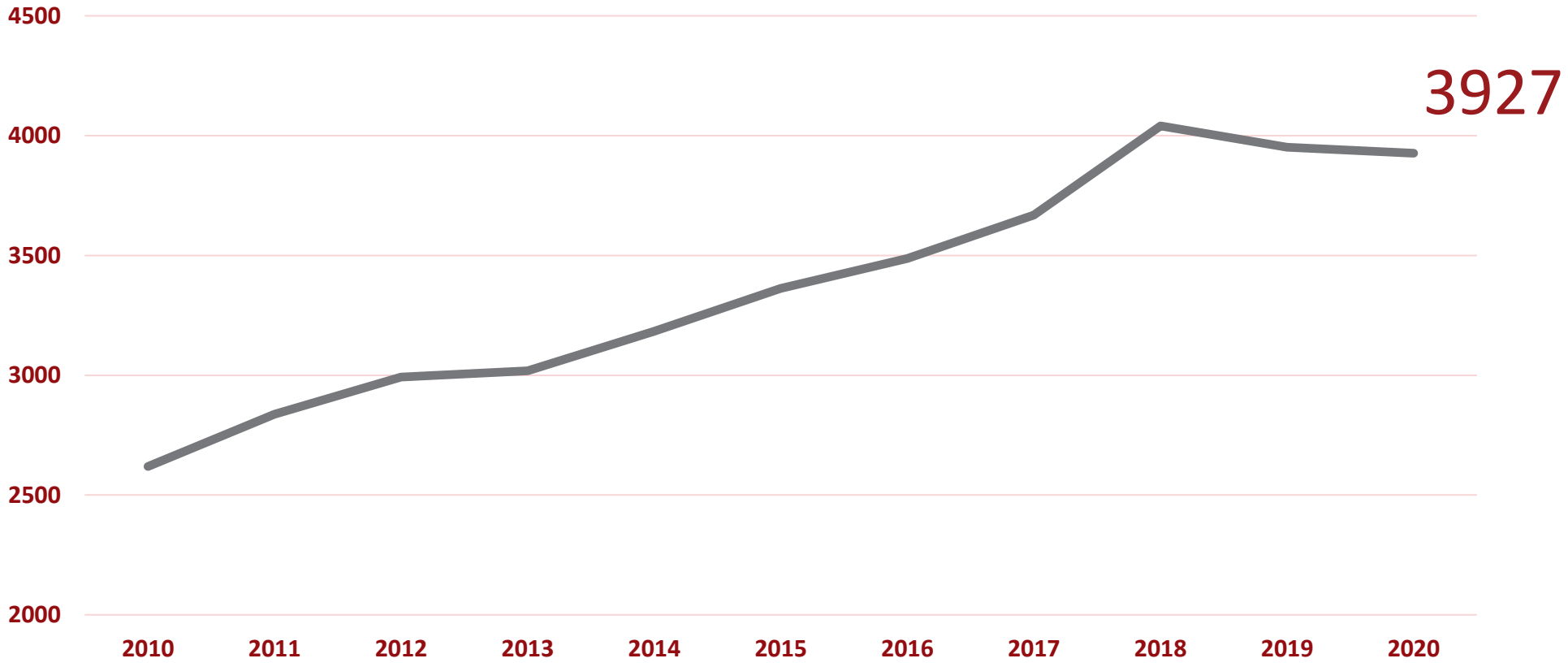
What Our Members Manufacture

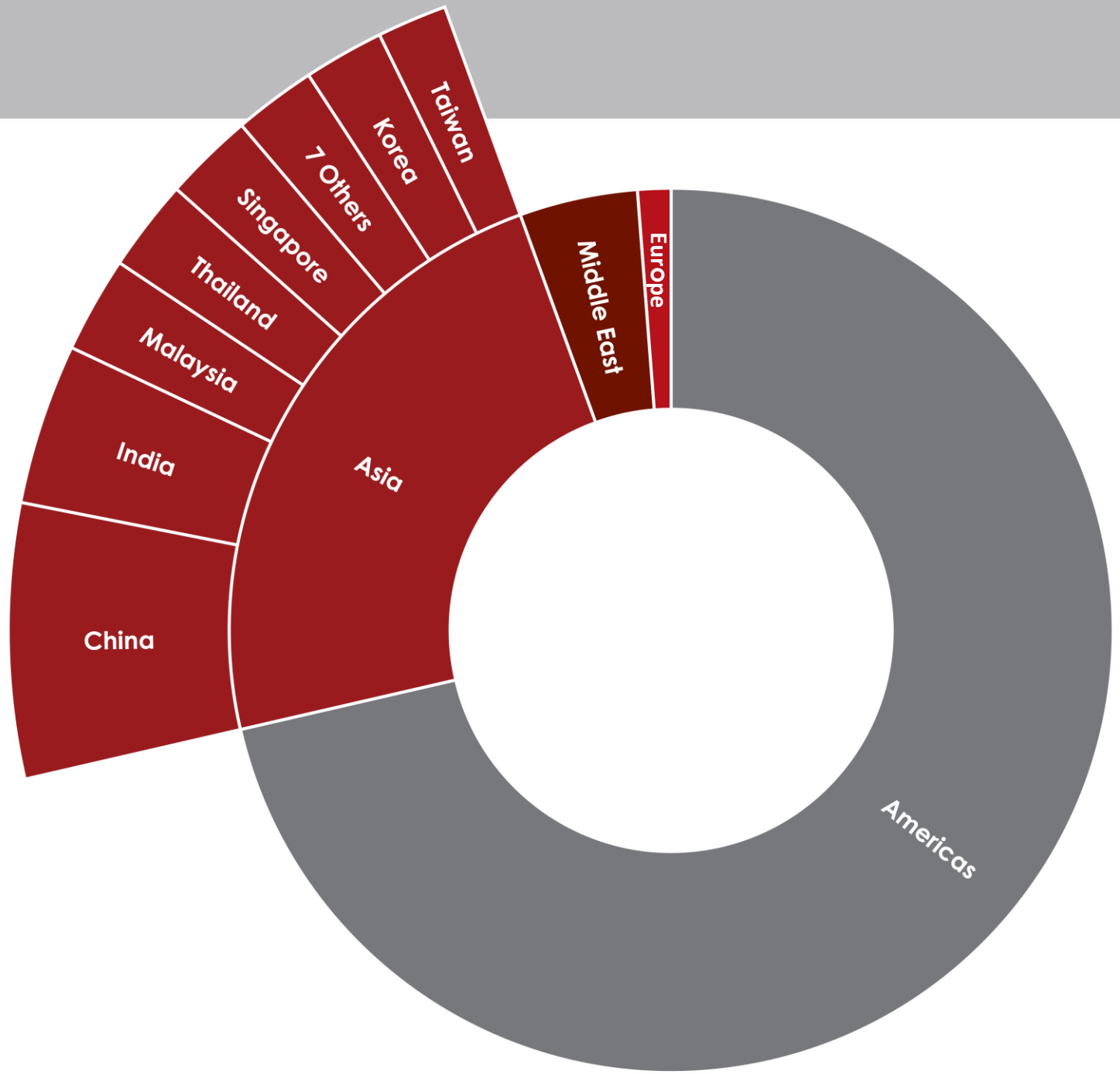


Partners

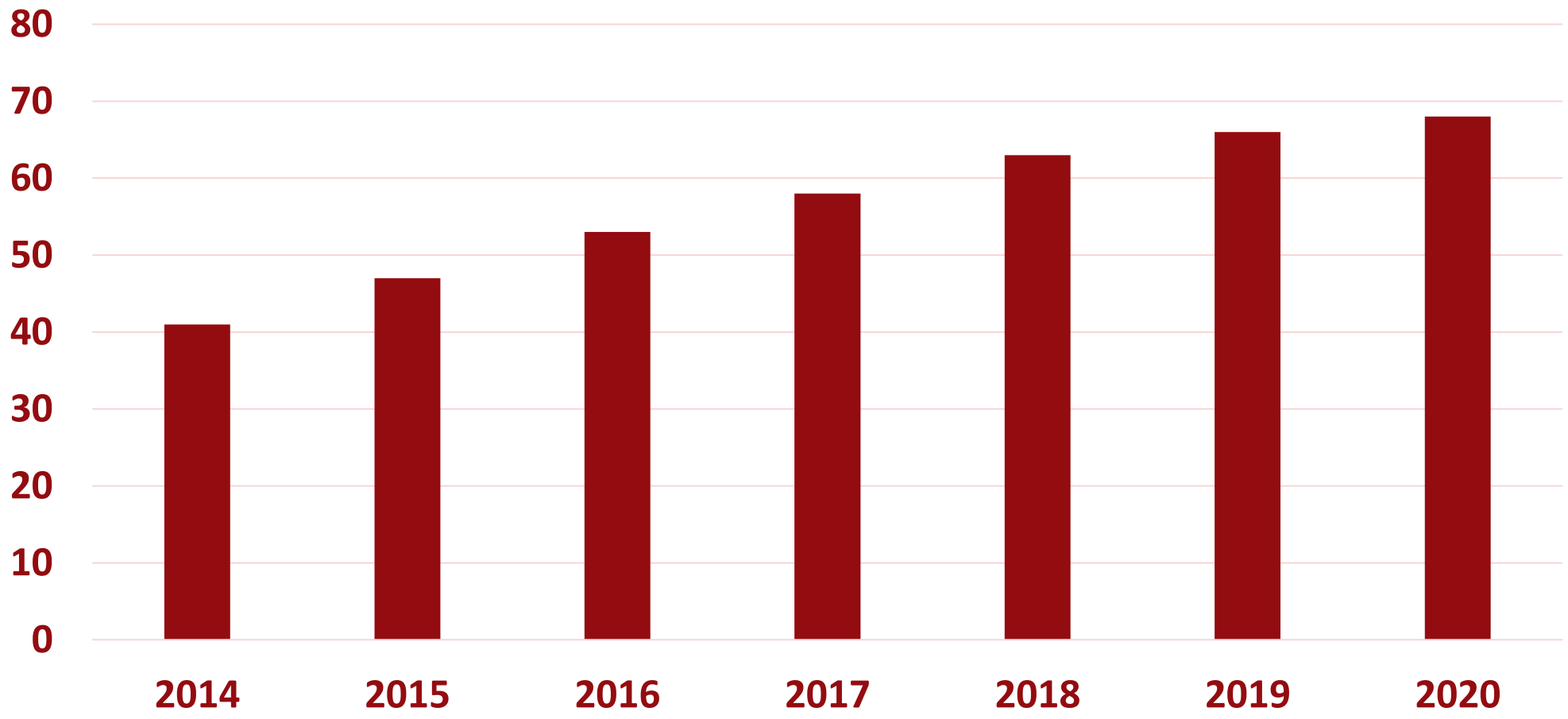

Kellen
amca INTERNATIONAL
ICTC
한국기계전기전자시험연구원
CETIAT
ensemble, innover et valider
amca INTERNATIONAL
ASIA AMCA
intertek
THOMAS BELL-WRIGHT
INTERNATIONAL CONSULTANTS
Kellen

Product Certifications




Taiwan
Korea
7 Others
Singapore
Thailand
Malaysia
India
China
Asia
Middle East
Europe
Americas

Lab Accreditations

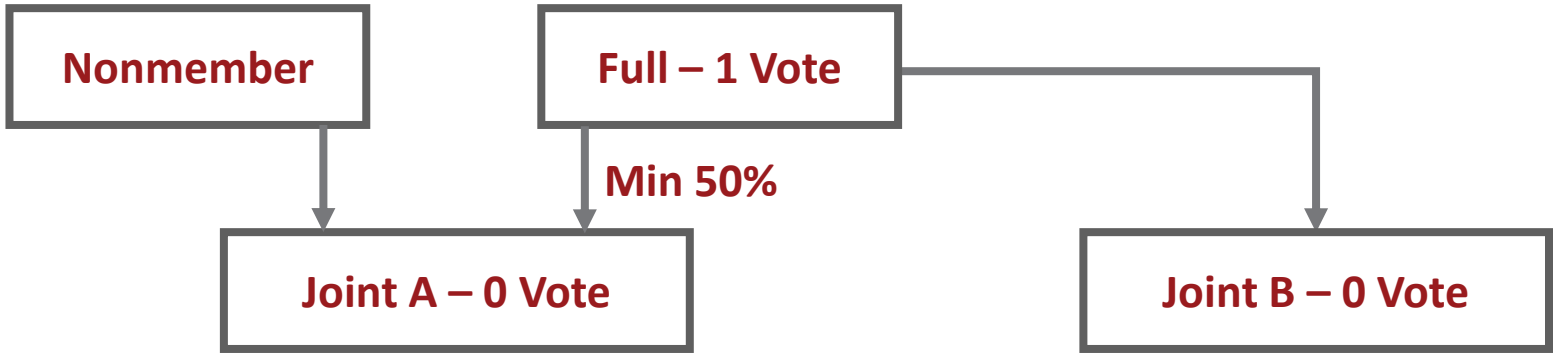


New Bylaws
Effective July 1, 2020

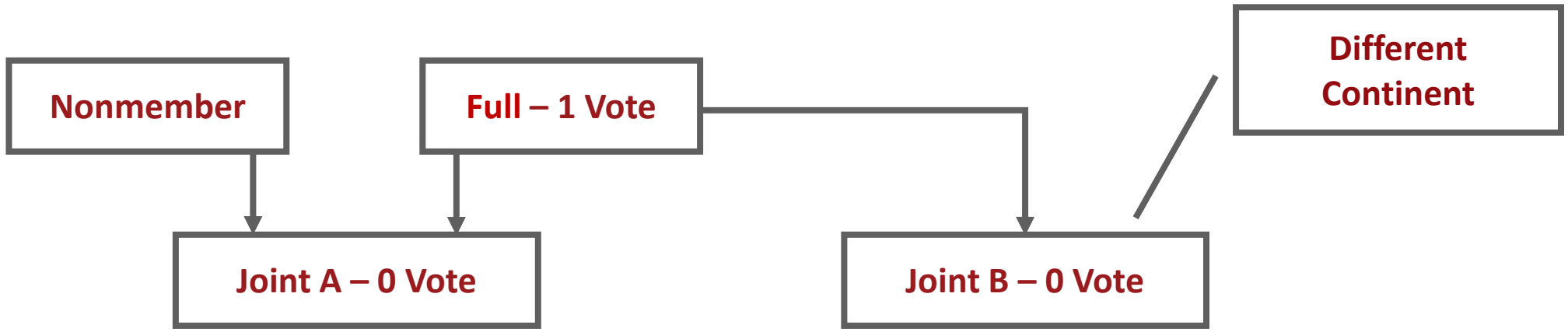
Joint, Global and Group Memberships

Article III, Section 6

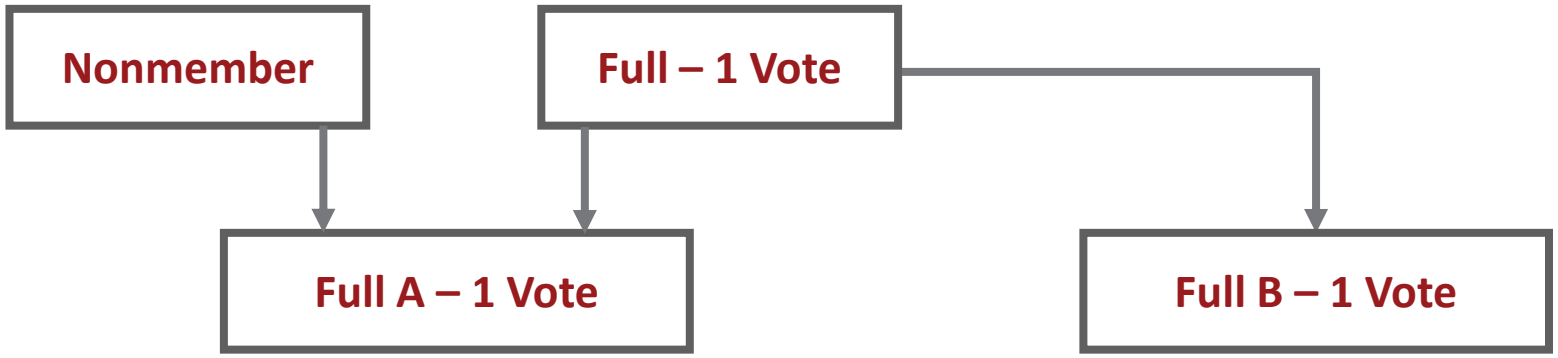
Until July 1: Joint Members



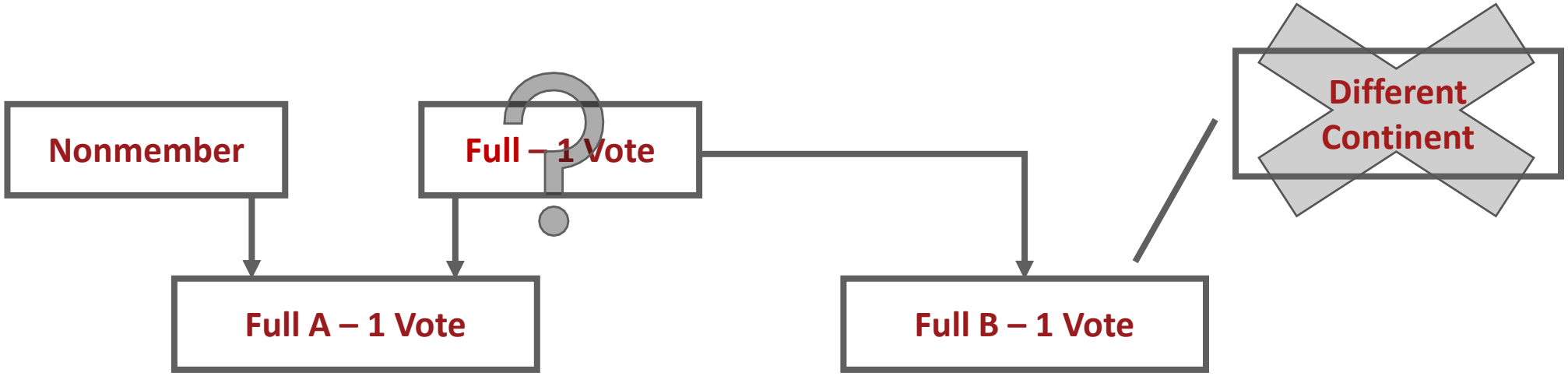
Until July 1: Global Member



July 1: Joints Convert to Fulls



July 1: Group Members



Other Substantive Changes

- Electronic catalogs of nonlicensees open for review
- Location of the AMCA's principal office
- Provisional members clarified
- Associates ~~access to statistical program~~
- Regional steering committees formalized

COVID-19
Impact on Operations

COVID-19 Operational Impact

- March 17: Office WFH, lab continued operations
- March 23: Illinois Executive Order, lab stopped operations
  - Began independent training for techs
- March 24: Determined lab is essential business
  - Continued tech training for remainder of the week
- March 30: Techs back to work, with social distancing rules place
  - Not calling manufacturing check tests
  - Primarily doing contract and precert tests, while being opportunistic on check test units in house
  - Lab revenue appears to be holding up

COVID-19 Operational Impact

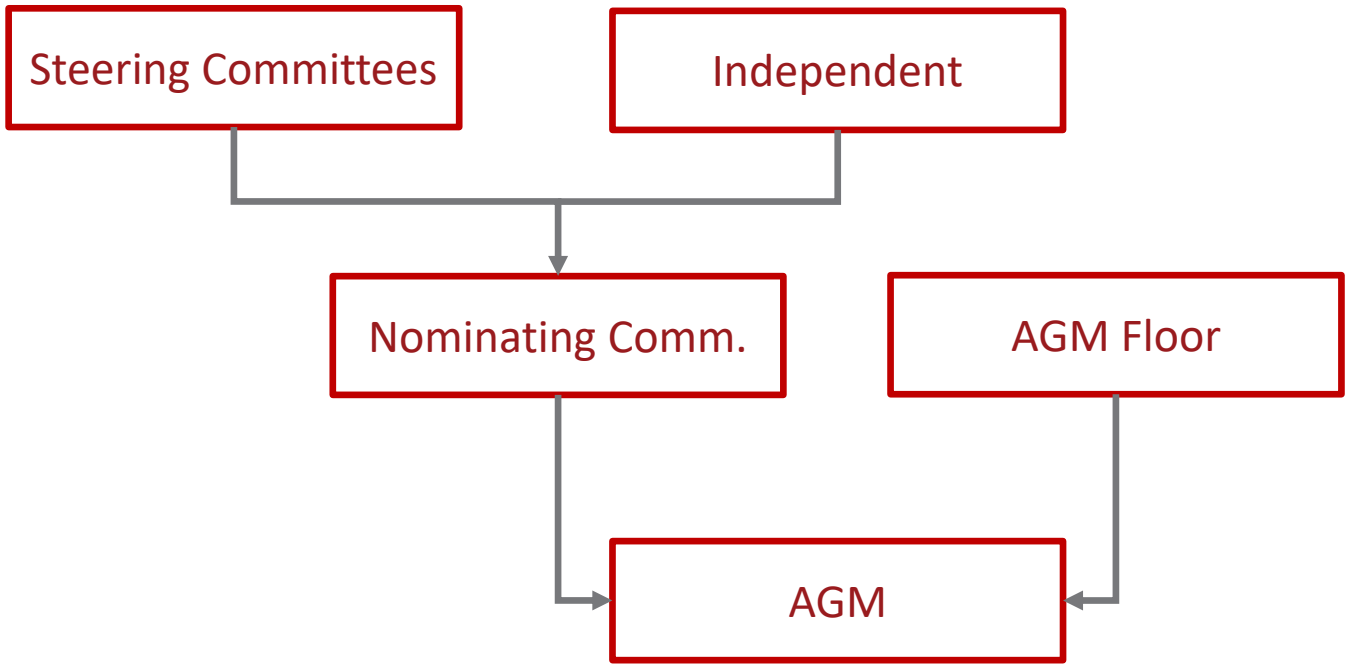
- Cosigned HVACR letter asking that HVAC service and companies provisioning HVAC be declared essential businesses
  - Did occur federally and by almost every state
- No AMCA face-to-face meetings are planned before January 2021
  - Dubai Annual Meeting Cancelled
- All Board and Steering Committee meetings have been web meetings since early March
- Impacting AMCA staffing and assignments
- Staff travel stopped
  - Trade shows, steering committees, board meetings, regional meetings
  - Policy on resuming travel TBD

COVID-19 Operational Impact

- 2007-2008 saw ***increases*** in dues & assessment and lab revenue in North America
- AMCA somewhat insulated from market downturns
  - CRP is still required to enter the market, and engineering firms are not deleting AMCA from specs (may be vulnerable to holding AMCA spec)
  - The minimum and maximum assessment plateaus are fairly large
  - Engineers from smaller companies have more time for product development (countercyclical)
  - Lab has a backlog
- Membership survey on member impact
  - Draft complete
  - Being edited

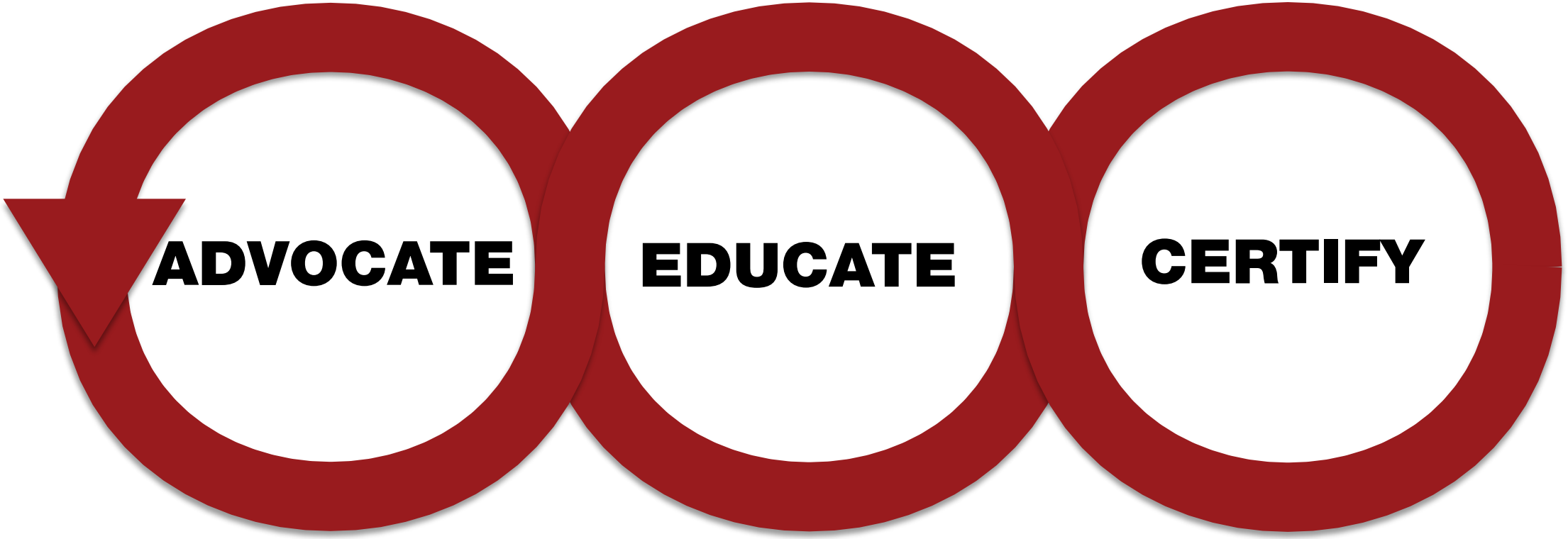
Board Nominations

Several Paths to the Board



Progress on the Strategic Plan

Three Initiatives



Michael Ivanovich

Senior Director, Global Affairs

Advocacy

Outline

- Fans
  - Commercial and Industrial Fans and Blowers
  - Ceiling Fans
  - Circulating Fans
- Fire and Smoke Dampers
- Louvers
- Air Curtains

Commercial and Industrial Fans and Blowers

- U.S. Department of Energy Rulemaking
  - 2020: Per Board direction, AMCA petitioned DOE to re-start test-procedure rulemaking. SMACNA and ACCA co-signed
  - “Ask” is for DOE to resume test procedure (only) using AMCA 214 as a basis
    - AMCA asked DOE to not include embedded fans
  - Purpose is to harmonize FEI definitions and test procedure across all states and to accelerate phase-out of FEG provisions in state energy codes.
  - Awaiting closure of public comment period (May 26); so far, only one substantive comment provided

Commercial and Industrial Fans and Blowers

- Energy Codes and Standards
  - FEI now in:
    - ASHRAE 90.1-2019
    - International Energy Conservation Code 2021
    - ASHRAE 189.1-2020
    - International Energy Conservation Code 2021
  - Proposed for Florida and Connecticut energy codes as edit to 2018 IECC

Commercial and Industrial Fans and Blowers

- California
  - Title 20 energy standard (appliance/equipment)
    - Will be based on AMCA 214
    - Awaiting second draft ”staff report” (regulation) in Autumn 2020
    - Conclusion: Looks favorable at this time, but no promises.
  - Title 24 commercial building energy code
    - Similar to ASHAE 90.1, but simpler language
      - No FEI difference for VAV
      - May take out exemption for certified packaged equipment
    - 2022 is the edition of Title 24 that will likely have the FEI provision

Commercial and Industrial Fans and Blowers

- Webinars and Seminars
  - Feb 2020 – AHR Expo (successful)
    - Mathson and Ivanovich
  - May 2020 – AMCA-ASHRAE Webinar
    - Jeff Boldt, PE, FASHRAE; Mathson; Ivanovich
    - ASHRAE registration record (> 2400) and 55 countries
  - June 2020 – ASHRAE/ISHRAE-hosted; Asia AMCA; India Building Code
    - Mathson, Ivanovich
  - June 2020 – ASHRAE Falcon/Dubai
    - Jeff Boldt, PE, FASHRAE; Mathson; Ivanovich
- Education and Training modules under development (Robb/Lisa)

Ceiling Fans

- Large Diameter Ceiling Fans
  - Ceiling fans with diameter > 7-ft
  - DOE rule on LDCFs used AMCA 230 and cfm/watt
  - Problem with cfm/watt – it limits airflow of larger diameters making hard to comply
  - Fix is Ceiling Fan Energy Index (CFEI) proposed via legislative channels
  - Long story short: Likelihood for success is high; COVID blocking progress

Circulating Fans

- Accidentally covered by ceiling fan rule
- AMCA submitted comments to SNOPR (proposed fix) November 2019
- No progress from DOE since
- May be of interest to European Union

Fire and Smoke Dampers

- Aaron Gunzner will cover as Agenda Item 5.4

Weather Louvers

- New York City
  - ACCARC reviewed 2016 guidance letter at December 2019 meeting
    - Was unclear whether AMCA 550 or AMCA 500-L would be required
  - New letter sent containing revised AMCA recommendation:
    - That NYC Mechanical Code adopt IMC language pertaining to louvers for both intake and exhaust openings
  - Task Force from ACCARC communicated with NYC Dept. of Buildings staff and TC members
  - Next edition of NYCMC will use AMCA 550-15 (Rev. 09-18)
  - Kudos to ACCARC and Aaron for getting this done.

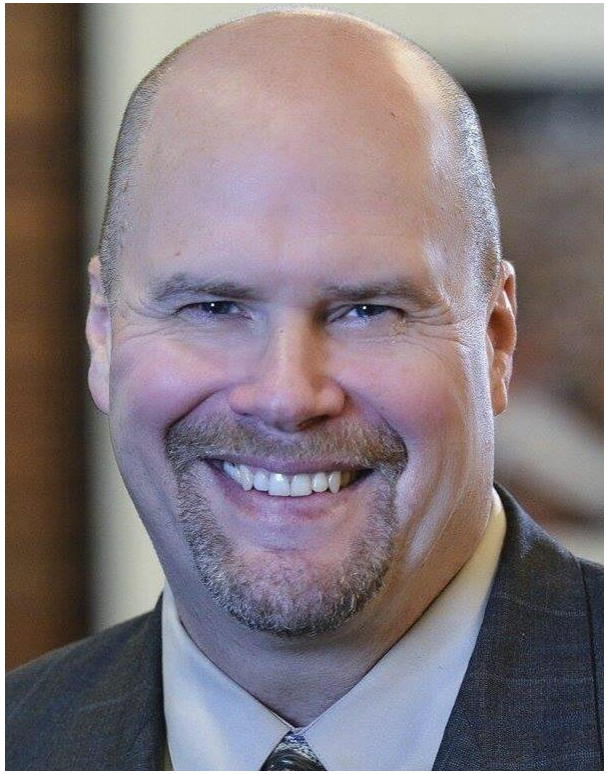
Weather Louvers

- AMCA Standard 540, *Test Method for Louvers Impacted by Wind Borne Debris*, is CLOSE to being referenced in the high-velocity-hurricane-zone section of the Florida Building Code.
- Currently, Miami-Dade recognizes only *Florida Testing Application Standard 201, Impact Test Procedures*.
  - Louver manufacturers must test and certify to two relatively similar impact test procedures.
- According to consultant Amanda Hickman, the Florida Building Code process is nearly completed. Only formalities remain.
- Kudos to Amanda working with ACCARC and Scott Arnold for getting this done.

Robb Clawson

Director of Marketing, Membership & Education

Education and Marketing



Education and Marketing

- AMCA *insite*™ webinar series
  - POP-UP Webinars
  - AMCA / ASHRAE webinar
  - International webinars
    - Asia AMCA
    - ISHRAE
    - ASHRAE Falcon Chapter
  - Recorded webinars online
  - www.amca.org/webinar

Education and Marketing

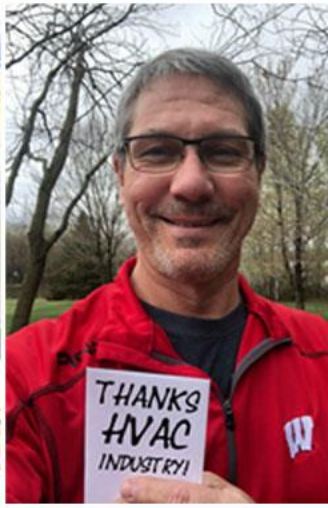
- AMCA *insite*™ online modules
  - Premium:
    - Fan System Effect
    - Air System Acoustics
    - FEI
    - Wroblewski series
  - Freemium
    - CRP mechanics
    - Committee chair overview
  - www.amca.org/educate

Education and Marketing

- AMCA Cares – HVAC Challenge to benefit Doctors Without Borders
  - May 14-May 31
  - Wear red and post online with #AMCACares, #HVACChallenge, #MSF, and your company's name
  - AMCA to donate $1 for each post/interaction up to $2,000
  - Pledge online at amca.org/cares
  - Goal is $15,000
  - Total to date: more than $5,500
  - Still time!

amca INTERNATIONAL | MEDECINS SANS FRONTIERES DOCTORS WITHOUT BORDERS

amcacares



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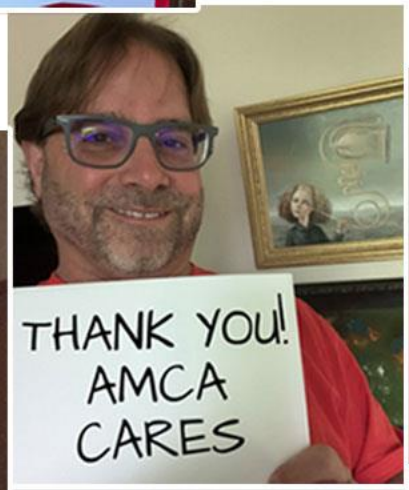
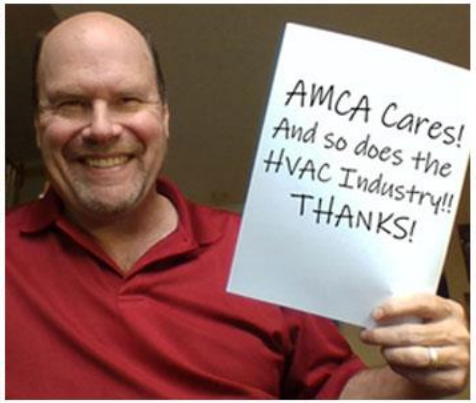
MEDECINS SANS FRONTIERES
DOCTORS WITHOUT BORDERS

amcacares





Education and Marketing

- AMCA Stats Program
  - New system is up and running
  - Data entry is easy and smooth-direct and/or excel entries accepted
  - Data improves with quantity of participants
  - Always looking for more participation
  - Contact Robb Clawson or Andy Schmidt for more information on how to participate

Nazme Mohsina

Technical Director

Certified Ratings Program

Strategic Plan

- Three major tactics:
  - Program changes
  - Process improvement
  - Better enforcement

Program Changes

- Changes in AMCA Publications
  - AMCA 11
  - AMCA 211
  - AMCA 511

Process Improvement

- AMCA Connect
  - Certification
    - Status tracker
    - New features
  - Testing
    - Status tracker
      - Receive unit
      - Schedule test
    - Test report delivery

Better Enforcement

- Product selection software
- CRP violations
  - Test vs Certify
  - Unapproved catalog at company website
  - Misuse of CRP seals
  - False claim of AMCA certification
  - AMCA corporate logo, AMCA membership logo

Communication

- Lab-CRP management
  - Once a month
- Lab-CRP-Database
  - Once a month
- AMCA Connect
  - Weekly touch base
  - Task prioritization – once a month
- Meeting members
  - As needed

ASHRAE V-Belt Project

- Tim Mathson as PI
  - Greg McKinnon as a support staff
- Built test stand
  - Conducted first test
- Interview with members
  - Historical drive data
  - Rules for selecting drive
- Ask for volunteers
  - Donations of belts and pulleys for testing

CRP Update

- Certified Products
  - 3927 products, 288 companies
- Listed Products
  - 127 louvers, 13 companies
- ENERGY STAR
  - 47 models, 5 companies
- Jet Fan Certification
- FEI Certification

Lab Update

- New Laboratory Engineer
  - Greg McKinnon
- Backlog
- 5S revision

Lab Update (continued)

- Jet Fan Test
  - Conducted first testing
- Large Diameter Ceiling Fan Test
  - In house 18 ft
  - Over 18 ft. to 24 ft. at Sears Centre
- Air Curtain Testing
  - New test apparatus for automation

Lab Update (continued)

- Water Penetration
  - Drippers
  - Comb manifold
- WDR Test Taskforce
  - Meeting every two weeks
  - Lab time- 1day/week

What's next?

- Motor calibration
  - Small motor testing
  - Line balance
- 2x2 prioritization matrix
  - 38 projects
- Follow-up with contract tests

Committee Status Reports

Nazme Mohsina

Technical Director

AMCA Publications 11, 211, 511 & 512

AMCA 11: Certified Ratings Program Operating Manual

Chair: David Johnson (Berner International Corp)

- Repeated CRP Violations
  - Survey – Regional Steering Committees
    - Financial penalties?
    - Certification status change?

- Mandatory CRP seals on certified products?
  - Survey – Asia Region
    - Optional
    - QR Code in CRP Seal

AMCA 211: Certified Ratings Program Product Rating Manual for Fan Air Performance

Chair: Rad Ganesh (Twin City Fan Companies, Ltd.)

- Proposed new check test tolerance
  - Motion passed.
- Low speed check test criteria
- Alternate test/rating determination method
- PDS certification
- Motor calibration procedure

AMCA 511: Certified Ratings Program Product Rating Manual for Air Control Devices

Chair: Mike Steele (Greenheck Fan Corporation)

- Revised tolerance for damper's test samples
- Revised louver's free area measurement procedures
- Remove "Class" (A/B/C/D) rating from WDS cert
- LEC's recommendation on comments

AMCA 512 Committee

Chair: Jeff Blake (Construction Specialties, Inc.)

- Major revision
- New labels
- New verification procedure
- Letter ballot closed March 10th , 2020 – working on comments
- Survey: AMCA to build HVWDR test rig?

Joe Brooks

Director of Publications & Standards

AMCA 270 and Damper Committee

AMCA 270 (Fan Array Method of Test)

Chair: Harold Dubensky (Johnson Controls, Inc.)

Vice Chair: John Bade (2050 Partners, Inc.)

- 18 Voting members, 12 Non-voting members
- New Committee – met three times
- Developing Purpose and Scope
  - Limited to aerodynamic performance of arrays
  - Direct driven fans only
  - Vibration of array fans not in scope

Damper Engineering Committee

Chair: Dane Carey (T.A. Morrison Co.)

- Casing Leakage Task Force
  - Defined leakage sources
  - Defined damper categories
  - Developed research test process
  - AMCA lab will test 4 dampers from one category
    - Delayed by COVID-19 pandemic

Damper Engineering Committee (continued)

- Economizer Damper TF
  - Defined “Economizer Damper”
  - AMCA 500-D may work as Method Of Test
  - Frame is biggest drawback; working on defining worst-case frame
  - Considering 1 in. wc pressure requirement (511 must approve if needed)

Aaron Gunzner

Advocacy Manager

Life Safety

Fire and Smoke Dampers

- NFPA 80 & 105
  - Next edition (2022) – 2nd Draft Public Comment close was May 6
  - No remote testing and inspection comments submitted by AMCA; will respond to external comments when available
  - Oct. 6-8 web meetings to address public comments
- NFPA 1 committee structure changing
  - AMCA will monitor for proper 80, 90A, 105 damper references

Fire and Smoke Dampers

- ACCARC meeting held May 27
  - Addressed NFPA 4 NITMAM submitted by Bill Koffel
    - Supports retaining passive systems within scope of NFPA 4
    - Will provide supporting written comments for 2020 Technical Meeting

Fire and Smoke Dampers

- Fire/Smoke Damper Subcommittee
  - Developing an article on new construction/installations for *AMCA inmotion*
  - Future:
    - Back-to-basics article on ratings and installations
    - Damper best practices/design guide article

- 2020 NFPA Conference cancelled

Miscellaneous

- Koffel Contract scope increase to include state-level monitoring and fire/smoke protection in Dubai.
  - Will expand U.S. knowledge and code activity to Middle East
- Seeking participants for IMC/UMC Code Proposal Task Force

Joe Brooks

Director of Publications & Standards

Louver Committee

Louver Engineering Committees

Chair: Dusty Gagner (Industrial Louvers, Inc.)

Vice Chair: Mike Astourian (Nailor Industries Inc.)

- New Leadership
- Assisting AMCA to answer - Should AMCA build an HVWDR rig?
- Perforated Plate – upheld prohibition in AMCA 500-L and 511
- Forming S/C to Develop a White Paper on the Effects of Perforated Plate
- Oversees Louver Technical Committees
- Formed TF to improve WDR Test Rig

Louver Engineering Committees

AMCA 500-L Committee

Chair: Jeff Blake (Construction Specialties, Inc.)

- Water Penetration Test changes:
  - Removed unneeded drippers
  - Allows device to enhance water adherence to wall
  - Improved process
- Added Sand Louver Committee recommendations
- Core area measurement details defined

Louver Engineering Committees

AMCA 550 Committee

Chair: Russell Geist (Construction Specialties, Inc.)

Vice Chair: Mike Steele (The Airolite Co., LLC)

- Calibration/Verification revision:
  - Water Distribution - no more roofing felt
  - Flow Meter - Deleted
  - Wind Stream – clarified dimensions and measuring area
- Revised/clarified drawing and dimensions

Next Air Movement & Air Control Annual Meeting:

Tentatively scheduled for January 27, 2021

Mark Stevens

Executive Director

Open Town Hall Meeting Q & A

Adjournment

Thank you for attending!