

DIGITAL AUDIENCE PROFILE

ADVERTISE WITH *PLUMBING & MECHANICAL*

Plumbing & Mechanical provides information to manage and grow businesses in the plumbing, piping, hydronic/radiant heating, geothermal, solar thermal and water treatment industries.

www.pmmag.com

* *Effective October 2024, PLUMBING & MECHANICAL, and PM ENGINEERING have merged under the PLUMBING & MECHANICAL brand.*



550 W Merrill St, Suite 200, Birmingham, MI 48009

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**BNP Media Inc.**

Birmingham, MI

Alliance for Audited Media has reviewed the BNP Media audience and media management technology platform and Digital Audience Profile reporting solution for conformance to generally accepted information security management and reporting standards.

Our examination was performed in accordance with generally accepted information security management and reporting standards. Our examination included reviews of Platform Technology, Data Life Cycle Management, System Monitoring, Access Controls, Software Development Life Cycle, Media Production, Media Distribution, Audience Data, Documentation, Reporting, and Disclosures. The examination included those procedures we considered necessary in the circumstances to obtain a reasonable basis for rendering our opinion.

Based on our review, we are not aware of any material modifications that should be made to the BNP Media audience and media management platform and Digital Audience Profile reporting solution for recording, processing, and reporting audience and media data.

The accreditation of the BNP Media audience and media management technology platform and Digital Audience Profile reporting solution is as of December 31, 2023.

This report is intended solely for use by the management of BNP Media and its customers.

Alliance for Audited Media

Alliance for Audited Media

March 31, 2024



Audience Profile

Total Audience

PLUMBING & MECHANICAL serves contractors in the plumbing/mechanical, piping, hydronic/radiant heating, geothermal, solar thermal and water treatment industries.

46,363

Unique Active Audience

70%

Engaged

Core Channels

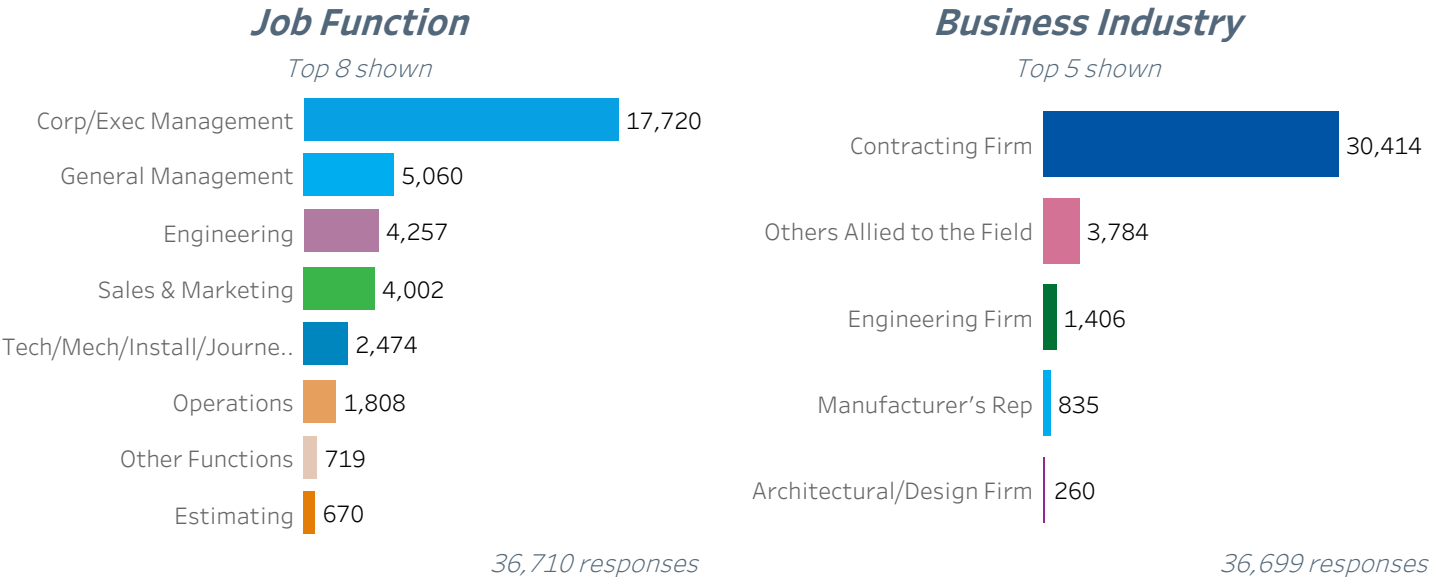
	Total Channel Audience	Unique to Channel	
Website	36,255	1,718	
eNewsletter	28,402	10,370	
eMagazine	31,682	14,350	

■ Unique to Channel
 ■ Active in 2 Channels
 ■ Active in all 3 Channels
 ■ Website Unknown Users

Additional Channels

132	11,446	17,508
Webinar Average Registrants	Standard eBlast Delivery	Social Media Total Followers

Demographics





Time Frame - As of Last day of Month shown

• **Total Audience:**

Unique Active Audience: Number of unique active customers with known first-party data active within product specific time frames for all products.

Engaged: Number of engaged customers with known first-party data within product specific time frames for all products.

** Product-specific time frames for each Channel may be found in Table A.*

Core Channels

The three core channels are Website, eNewsletter, and eMagazine.

- **Total Channel Audience:** Total number of customers for specified product.
- **Unique to Channel:** Number of unique customers active only in specified channel.
- **Active in 2 Channels:** Number of unique customers active in two channels. Examples: A customer is active within Website and eNewsletter channels but not eMagazine. Or a customer is active within eNewsletter and eMagazine channels but not the Website.
- **Active in all 3 Channels:** Number of unique customers active in all three channels.
- **Website Unknown Users:** Number of total users who visited the website within the specified time frame who are not accounted for in the BNP Media database. The number of Unique Website Users may be higher than shown due to the number of unknown users.

Additional Channels

Additional channels may include Webinars, Events, Continuing Education (CE), eBlast, Social Media.

- **Webinar Average Registrants (if applicable):** Average registrants per webinar.
- **Unique Event Registrants (if applicable):** Average registrants per event.
- **CE Active Registered Users (if applicable):** Total active registered users for the Continuing Education Center.
- **Standard eBlast Delivery (sponsored only):** Delivery count of a typical eBlast within the last 3 months.
- **Social Media Total Followers (if applicable):** Follower counts by channel for the most recent month.

Demographics

- **Job Function:** Top job functions of the Unique Active Audience.
- **Business Industry:** Top business industries of the Unique Active Audience.

Table A

** BNP Media uses a proprietary algorithm to calculate the number of active and engaged users for each channel based on the time frames listed in the table below.*

	Active Criteria	Engaged Criteria
Website	6 Months	6 Months
eNewsletter	Included in most recent list	6 Months
eMagazine	Included in most recent list	12 Months
Webinar	12 Months	18 Months
Event	18 Months	18 Months
Continuing Education	13 Months	13 Months
eBlast	Included in most recent list	6 Months



eMagazine - Summary



Total Subscribers

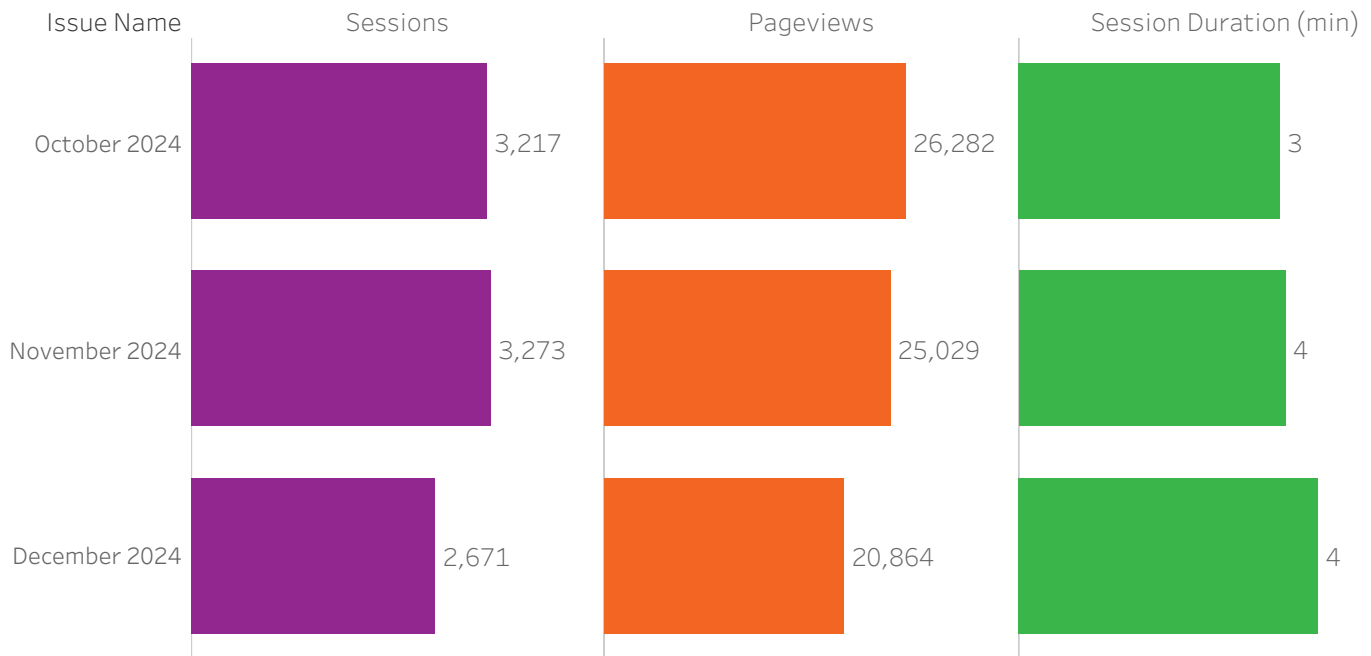
29,241



Average Issue Pageviews

24,058

Activity by eMagazine Issue



eMagazine Notification Email Metrics

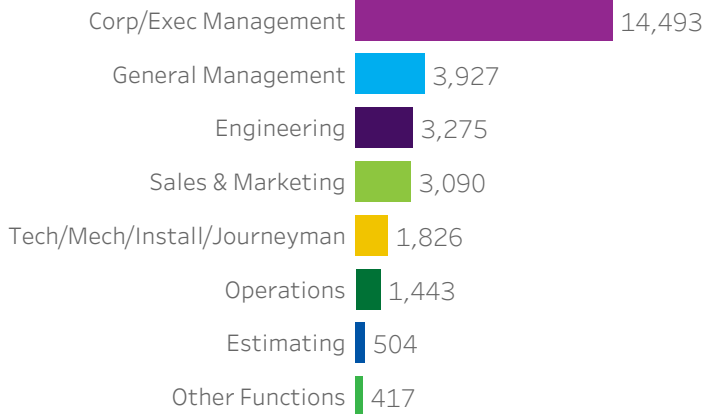
Issue Name	Sends	Unique Delivered	* Unique Opens	* Open Rate	Total Clicks	CTR
October 2024	4	28,056	11,596	41.3%	1,425	2.6%
November 2024	4	28,678	12,355	43.1%	1,522	2.7%
December 2024	4	29,241	12,424	42.5%	1,450	2.5%

* Due to Apple Mail Privacy enabled on user devices, open rates may be inflated as of November 2021. Clicks are not impacted.



Demographic - Job Function

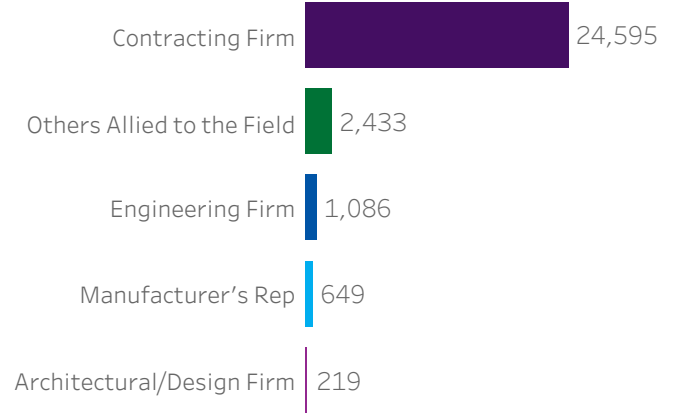
Top 8 Shown



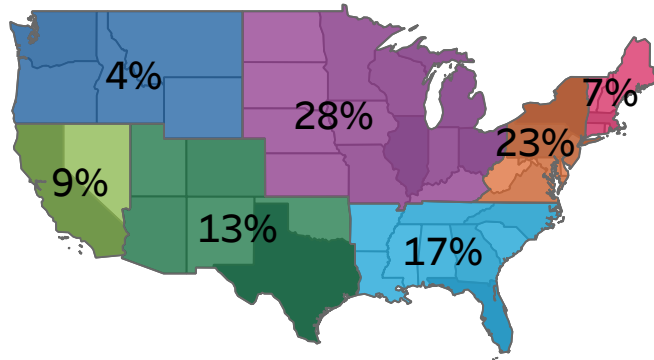
28,975 or 99% of subscribers with responses

Demographic - Business/Industry

Top 5 Shown

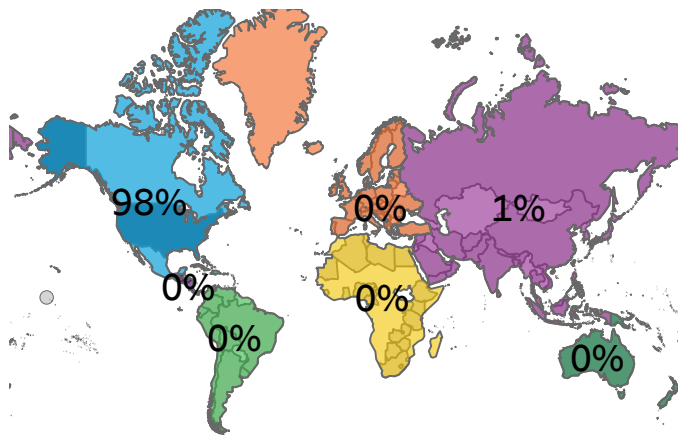
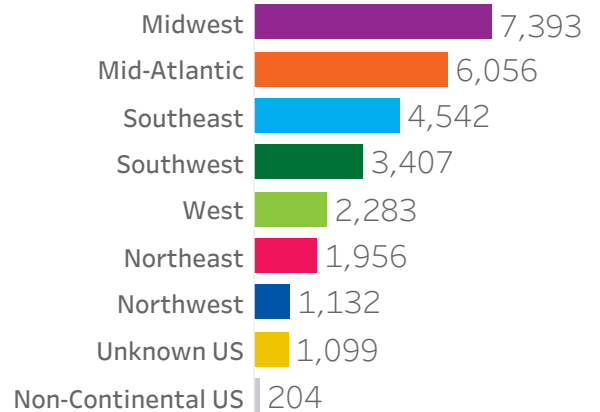


28,982 or 99% of subscribers with responses



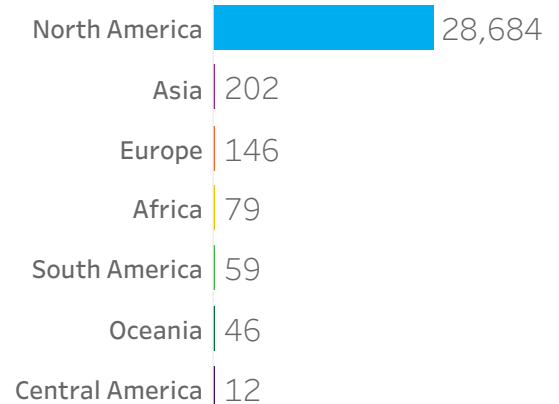
96% of subscribers are located in the US

Unique Subscribers by Region



4% of subscribers are located internationally

Unique Subscribers by Region



Time Frame

3 months

KPIs

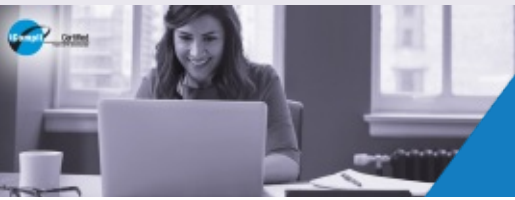
- **Total Qualified Subscribers:** Active digital subscribers as of the most recent issue.
- **Average Issue Pageviews:** The average monthly pageviews on the eMagazines.

Activity by eMagazine Issue

- **Issue Date:** eMagazine issue date.
- **Sessions:** Number of times users interacted with the eMagazine. Sessions are terminated after 30 minutes of inactivity.
- **Session Duration (min):** The average session length.
- **Pageviews:** The total number of eMagazine pageviews.

eMagazine Notification Email Metrics

- **Monthly Sends:** Total number of notification emails deployed per issue.
- **Delivered:** Number of unique email subscriber addresses eMagazine notification emails were delivered to for this issue.
- **Unique Opens:** Number of unique subscriber email addresses who opened any notification email for this issue.
- **Open Rate:** Ratio of unique Opens to Delivered.
- **Total Clicks:** Number of subscribers who clicked a link within a particular notification email.
- **CTR:** Click Through Rate is the percentage of subscribers who click on a link within the notification email.



eNewsletters



Active Unique Recipients

28,402



% of Recipients Engaged

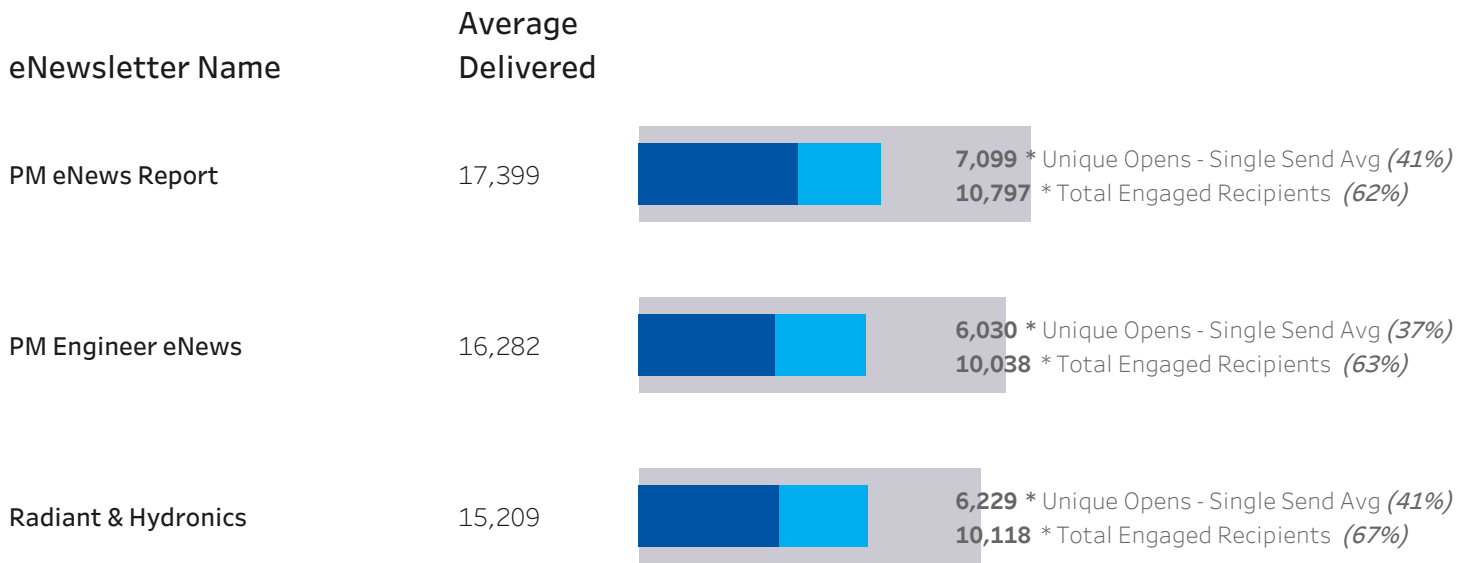
69%



Sends per Month

5

Recipient Activity by eNewsletter Over the Last 3 Months



Engaged Recipient: Any recipient who opened at least one email of this type in the report time frame.

■ Unique Opens - Single Send Avg
 ■ Unique Opens - All Sends
 ■ Delivered

eNewsletter Activity Averages

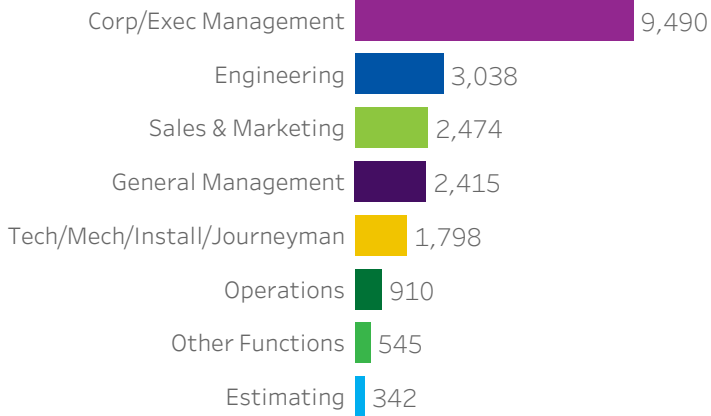
eNewsletter Name	Monthly Sends	Delivered	* Unique Opens	* Open Rate	Total Clicks	CTR
PM eNews Report	1.3	17,399	7,099	40.8%	911	5.2%
PM Engineer eNews	2.0	16,282	6,030	37.0%	614	3.8%
Radiant & Hydronics	2.0	15,209	6,229	41.0%	949	6.2%

* Due to Apple Mail Privacy enabled on user devices, open rates may be inflated as of November 2021. Clicks are not impacted.



Demographic - Job Function

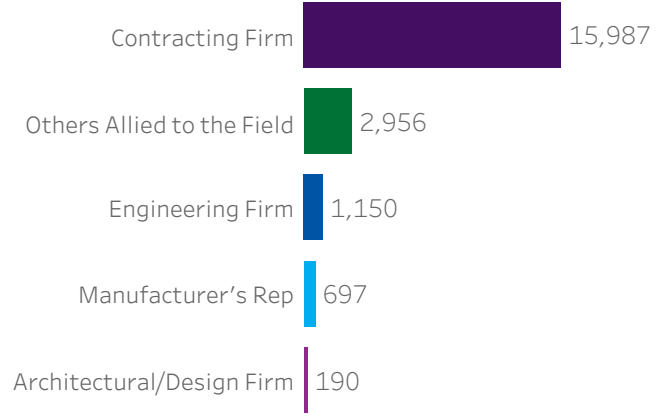
Top 8 Shown



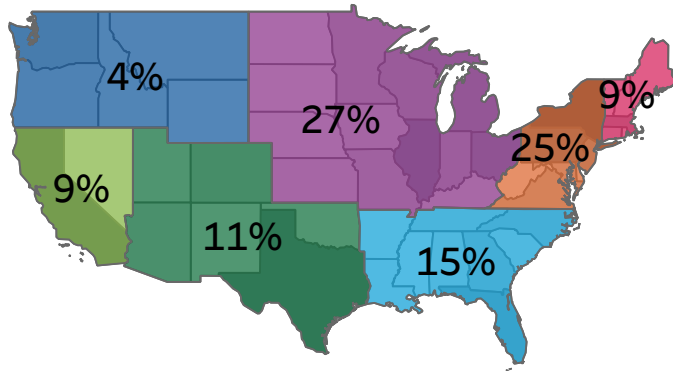
21,012 recipients with responses

Demographic - Business/Industry

Top 5 Shown

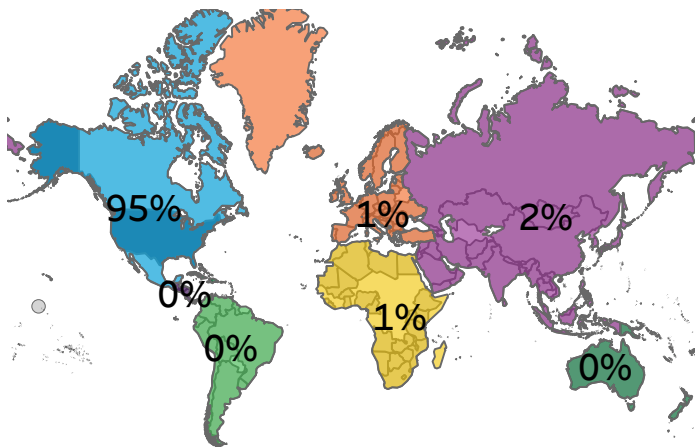
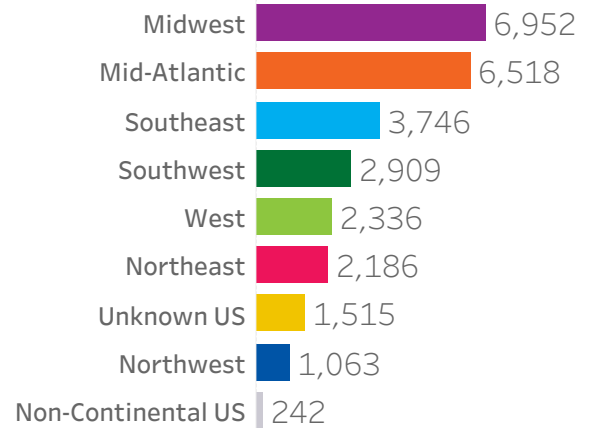


20,980 recipients with responses



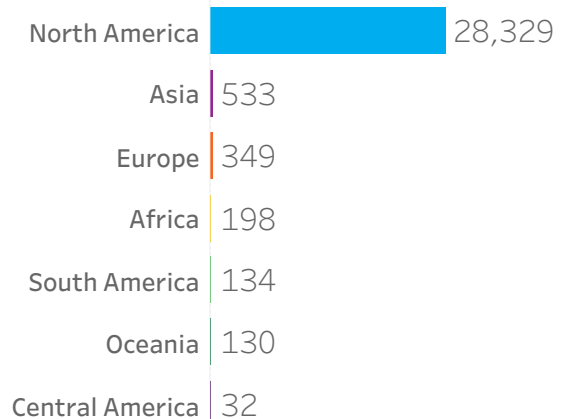
92% of recipients are located in the US

Unique Recipients by Region



8% of recipients are located internationally

Unique Recipients by Region





Time Frame

3 Months

KPIs

- **Active Unique Recipients:** Number of unique email addresses that received any brand eNewsletter in the 3-month period.
- **% of Recipients Engaged:** Percent of recipients who opened* any eNewsletter.
- **Sends / Month:** Total eNewsletters sent per month.

Recipient Activity by eNewsletter

- **Average Delivered:** The average number of emails delivered per eNewsletter.
- **Unique Opens, Single Send Avg:** Average unique opens* (uniqueness calculated for each email sent) for all emails sent.
- **Total Engaged Recipients:** Number of unique Recipients who have opened* one or more of the delivered emails.

eNewsletter Activity Averages

- **Monthly Sends:** Total number of eNewsletters deployed per month.
- **Delivered:** Average number of eMails, per eNewsletter, deployed per month.
- **Unique Opens:** Average number of unique Recipients (delivered) who opened* a particular eNewsletter.
- **Open Rate:** The ratio of Unique Opens* to Delivered.
- **Total Clicks:** Average number of recipients who clicked a link within a particular eNewsletter.
- **CTR:** Click Through Rate is the percentage of recipients who click on a link within the eNewsletter.

**Due to Apple Mail Privacy enabled on user devices, opens/open rates may be inflated as of November 2021. Clicks are not impacted.*



Website - www.pmmag.com



Average Monthly Users

38,449



Average Monthly Sessions

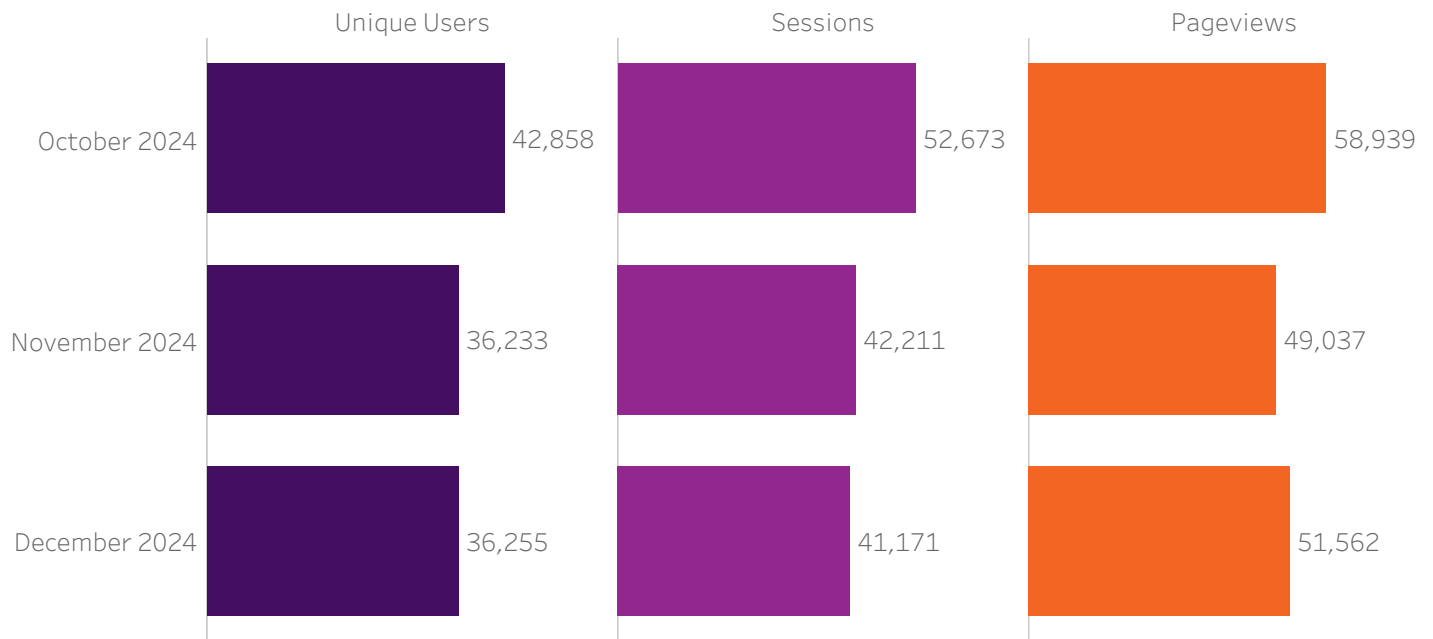
45,352



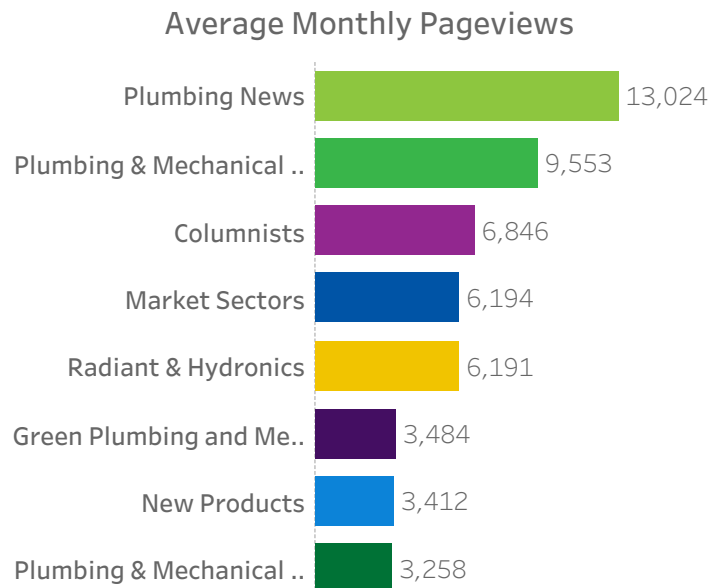
Average Monthly Pageviews

53,179

Monthly Website Statistics



Top 8 Content Topics Viewed





Website - Known User Activity



Active Registered Users

2,977



Active Known Users

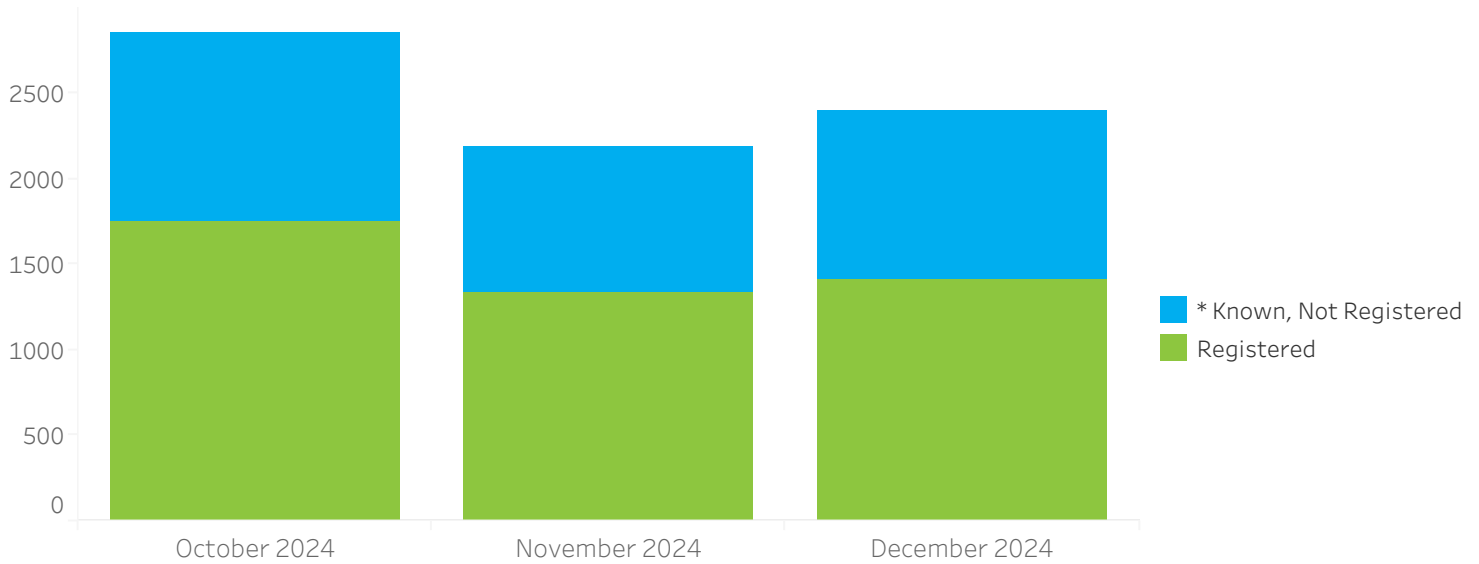
5,286



Average Visits per User

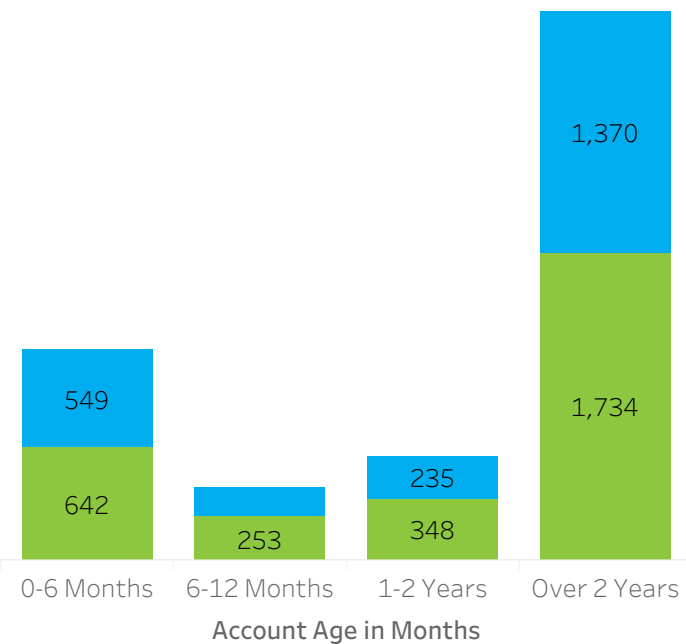
11.8

Website Users

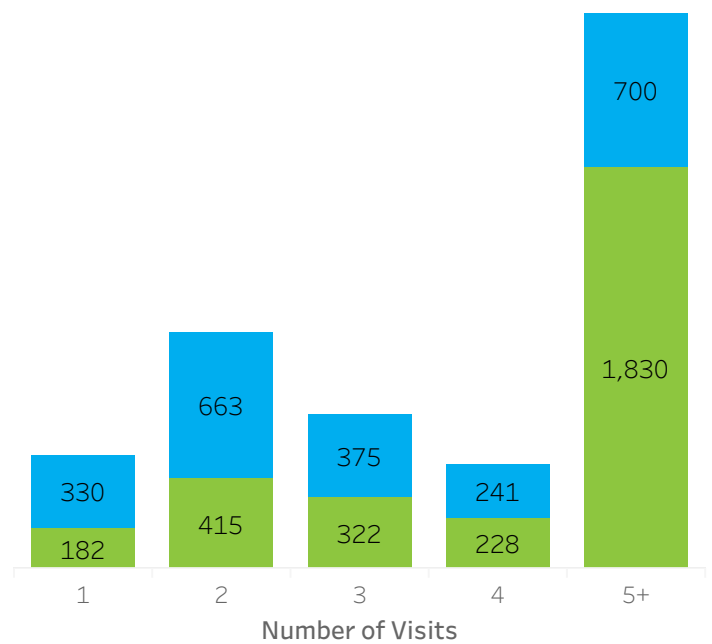


* Users that are identified in the BNP Media database but are not registered with this website

Known Users by Account Age



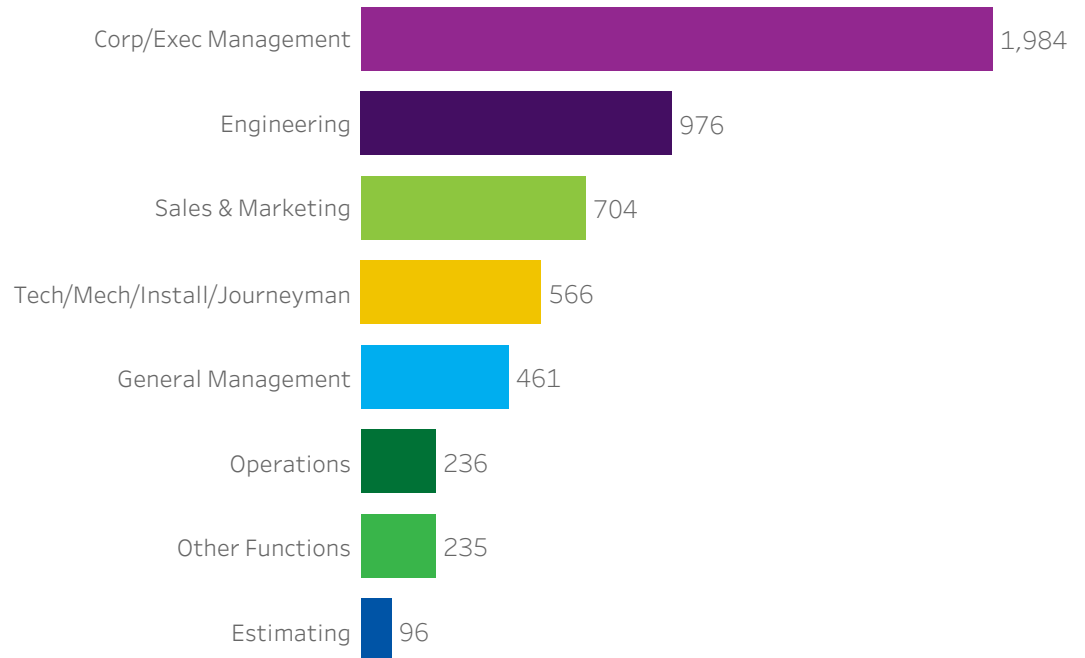
Known Users by Visit Frequency





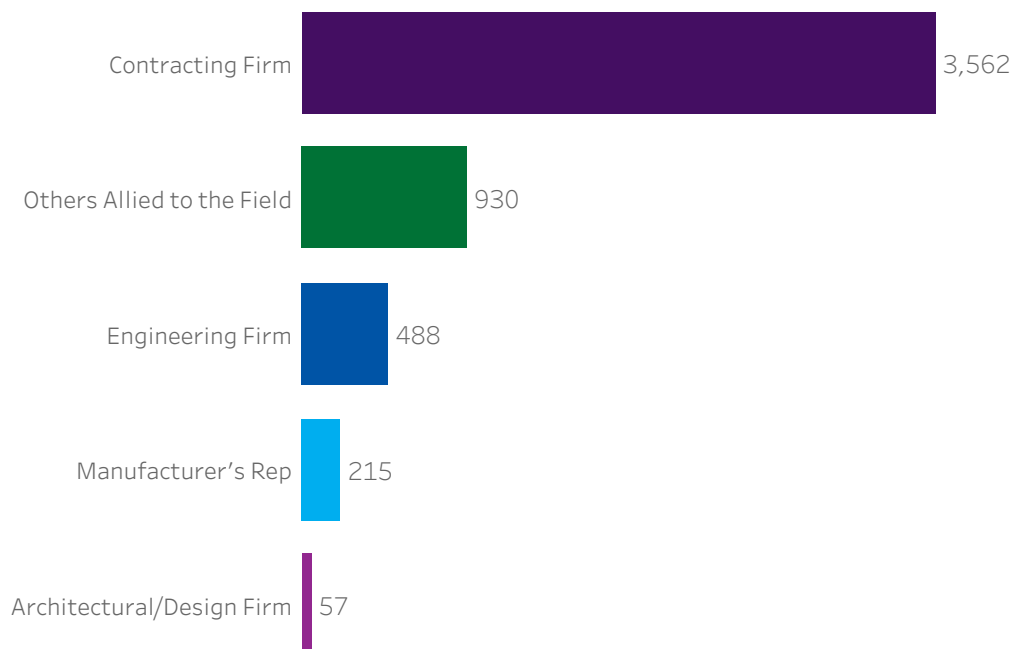
Website - User Demographics

Demographic - Job Function *Top 8 Shown*



5,258 or 99% of users with responses

Demographic - Business/Industry *Top 5 Shown*



5,252 or 99% of users with responses



Website - User Locations



% of Users Based in US

79%

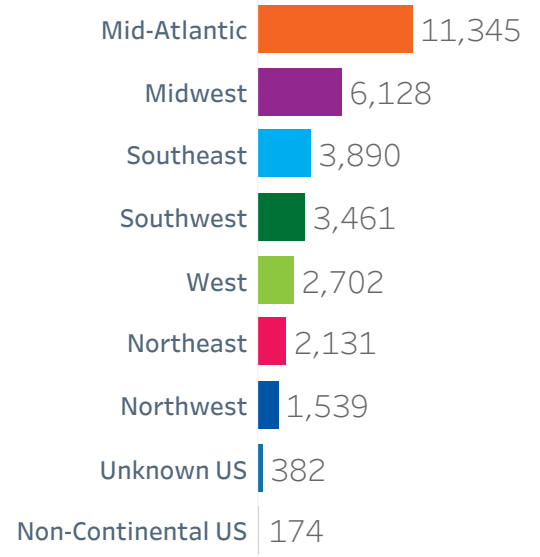
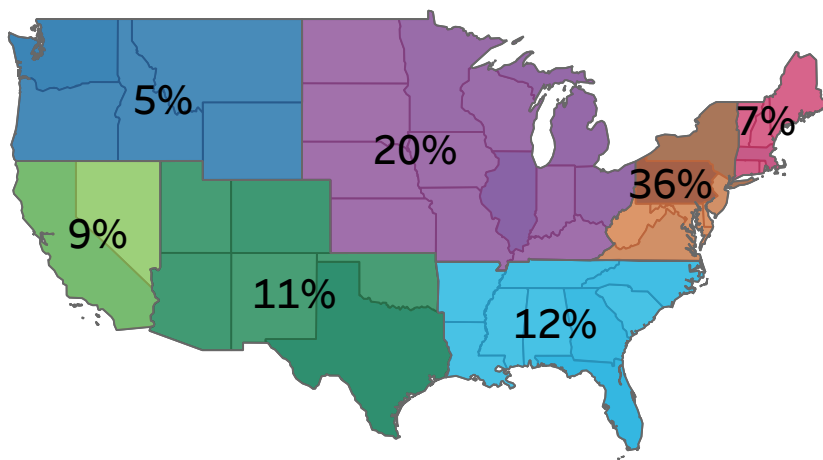


Average Monthly Users Based in US

31,753

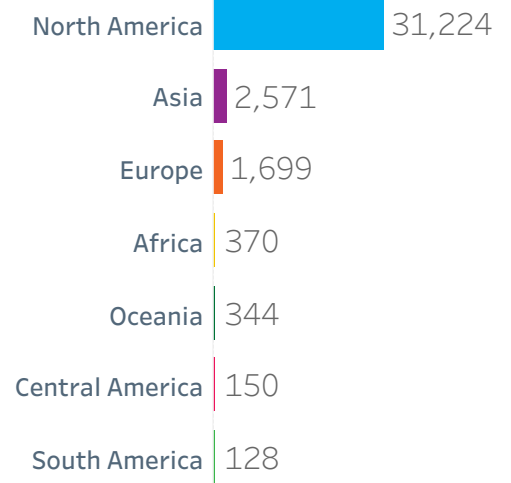
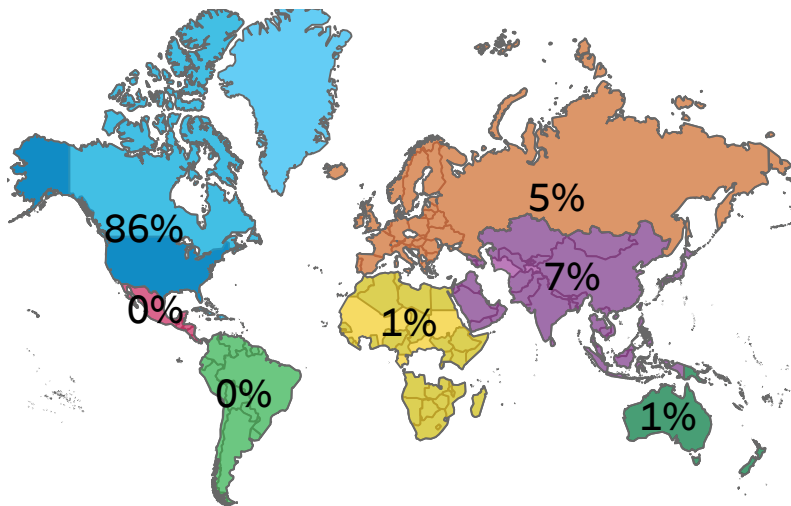
Geographic - US Regions

Unique Users by Region



Geographic - World Regions

Unique Users by Region



Time Frame

3-months

User Classifications

- **Registered:** Users that have completed the registration form for this website.
- **Known, Not Registered:** Users that are identified in the BNP Media database but are not registered with this website.

KPIs

- **Active Registered Users:** Number of unique users who registered on the website, at any time, and visited the website within the 3-month time frame.
- **Active Known Users:** Number of unique users with known first-party data, regardless of website registration status, who visited the website within the 3-month time frame.
- **Average Visits per User:** The ratio of visits, by known users, to the number of known users.

Web Users

- Number of users who were active on the website each month, colored by user classification.

Known Users by Account Age

- Number of users who visited the website within the 3-month time frame and have been in the BNP Media database for the account age listed, colored by user classification.

Known Users by Visit Frequency

- Number of times users visited the website within the 3-month time frame, colored by user classification.

Time Frame

3-months

KPIs

- **Average Monthly Users:** Average number of monthly users who have had at least one session on the website.
- **Average Monthly Sessions:** Average number of monthly sessions on the website. A session is anytime a user has interacted with the website.
- **Average Monthly Pageviews:** Average number of total monthly pageviews on the website.

Web Visitors

- **Users:** Number of Users per month.
- **Sessions:** Number of times users interacted with the digital edition. Sessions are terminated after 30 minutes of inactivity.
- **Pageviews:** Number of Pageviews per month.

Top 8 Content Topics

- Average monthly pageviews for the top 8 content topics on the website.



Sponsored eBlasts



Total Average Delivered

14,292



% of Recipients Engaged

57%



Sends per Month

3

Activity by eBlast

Sponsorship Type

Avg Delivered

Exclusive

11,322



4,019 * Unique Opens - Single Send Avg (35%)

6,577 * Total Engaged Subscribers (54%)

Multi-Sponsored

20,234



6,621 * Unique Opens - Single Send Avg (33%)

16,896 * Total Engaged Subscribers (54%)

Engaged Subscriber: Any subscriber who opened at least one email of this type in the report time frame.

Unique Recipients

Unique Opens - Single Send Avg

Unique Opens - All Sends

eBlast Activity Averages

eBlast Name	Sponsorship Type	Monthly Sends	Delivered	* Unique Opens	* Open Rate	Total Clicks	CTR
Plumbing & Mechanical	Multi-Sponsored	1.0	20,234	6,621	32.7%	776	3.8%
	Exclusive	2.0	11,322	4,019	35.5%	201	1.8%

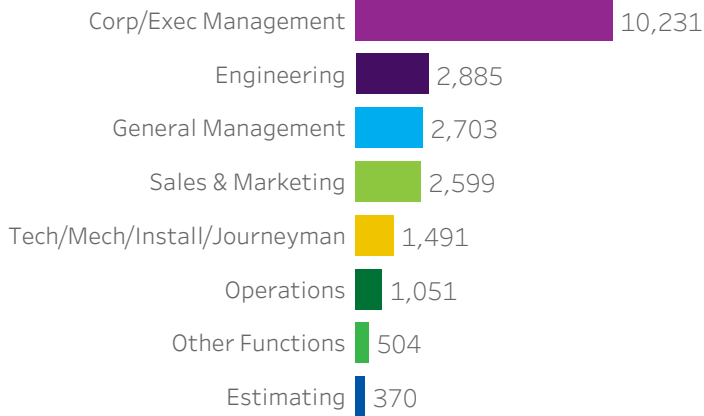
* Due to Apple Mail Privacy enabled on user devices, opens/open rates may be inflated as of November 2021. Clicks are not impacted.



Sponsored eBlasts - Recipient Demographics & Locations

Demographic - Job Function

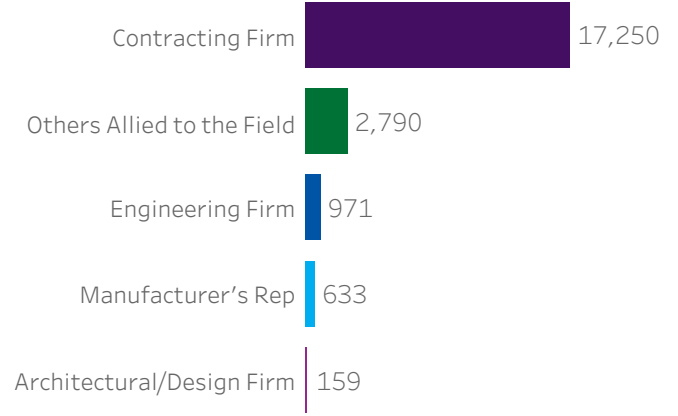
Top 8 Shown



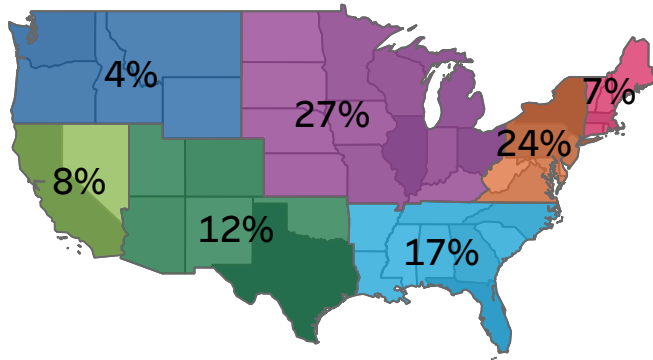
21,834 or 68% of recipients with responses

Demographic - Business/Industry

Top 5 Shown

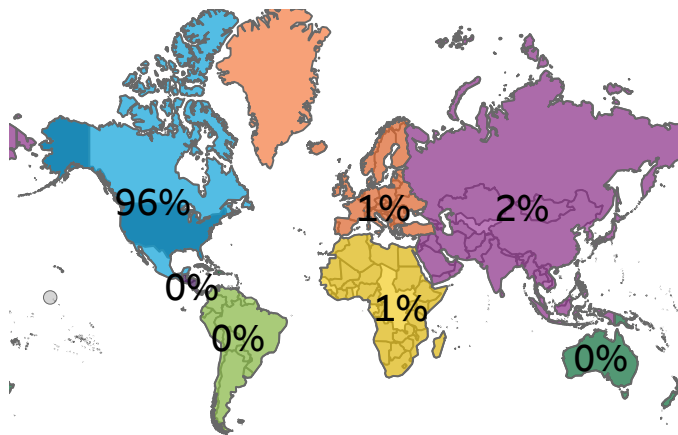
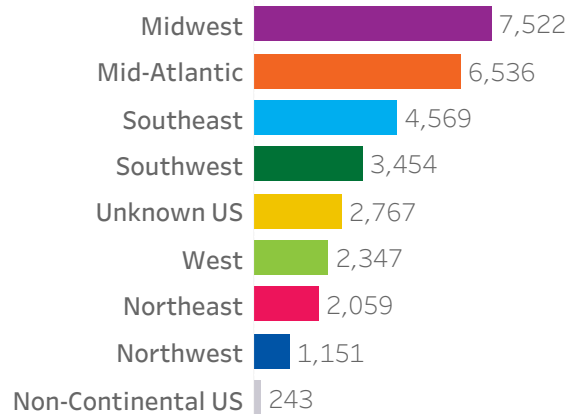


21,803 or 68% of recipients with responses



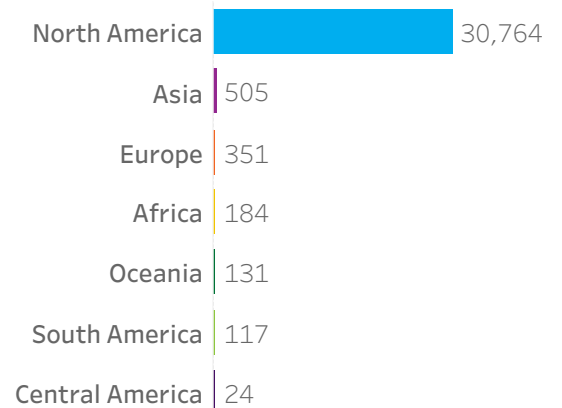
96% of recipients are located in the US

Unique Recipients by Region



4% of recipients are located internationally

Unique Recipients by Region



Time Frame

3 Months

KPIs

- **Total Average Delivered:** The number of eBlasts (Advertising emails) delivered, excluding bounces.
- **% of Recipients Engaged:** The percentage of recipients who have opened* an eBlast.
- **Sends per Month:** The average number of delivered Advertising eBlasts per month.

Activity by eBlast

- **Exclusive Sponsorship Type:** Single advertiser.
- **Multi-Sponsored Sponsorship Type:** Multiple advertisers.
- **Average Delivered:** The average number of emails delivered per eBlast.
- **Unique Opens, Single Send Avg:** The average unique opens* (uniqueness calculated for each email sent) for all emails sent.
- **Total Engaged Subscribers:** The number of unique recipients who have opened* one or more of the delivered emails.

eBlast Activity Averages

- **Monthly Sends:** Total number of eBlasts deployed per month.
- **Delivered:** Average number of eMails, per eBlast, deployed per month.
- **Unique Opens:** The average number of unique recipients (delivered) who opened* a particular eBlast.
- **Open Rate:** The ratio of Unique Opens* to Delivered.
- **Total Clicks:** Average number of recipients who clicked a link within a particular eBlast.
- **CTR:** Click Through Rate is the percentage of recipients who click on a link within the eBlast.

**Due to Apple Mail Privacy enabled on user devices, opens/open rates may be inflated as of November 2021. Clicks are not impacted.*



Social Media



Total Social Media Followers

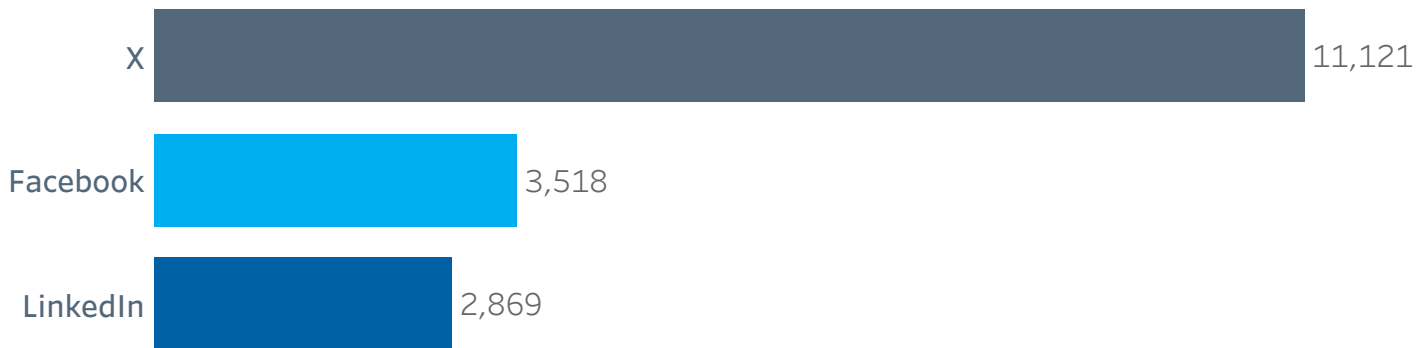
17,508



Engagements

1,879

Followers by Channel



Total Engagements



343

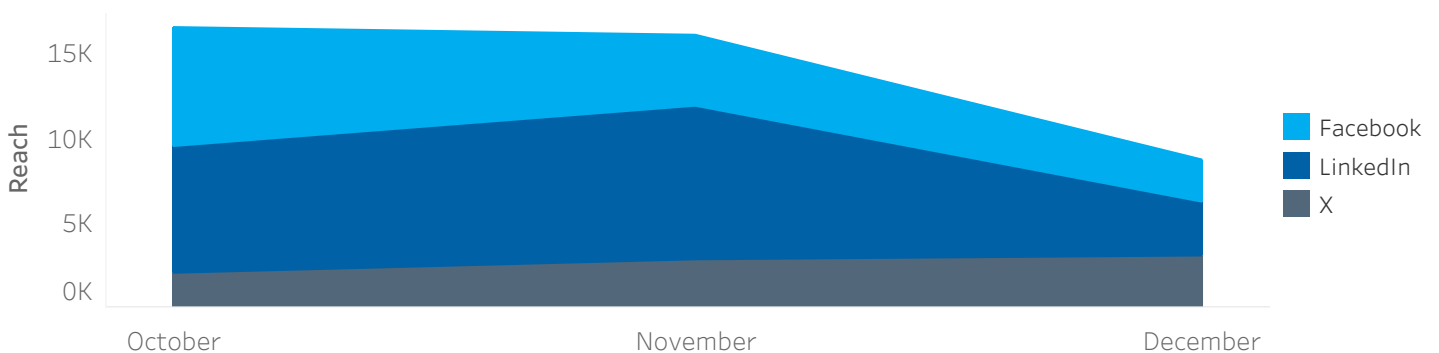


238



1,298

Reach by Month





Time Frame

3 Months

KPIs

- **Total Social Media Followers:** The total number of social media followers per brand, as of the report date (not unique across all channels).
- **Engagements:** The reactions, comments, and shares on a post. Clicks are not included.

Followers by Channel

- Breakdown of followers by the specific social network.
- Followers is the total number who have followed the brand.

Total Engagements

- Total engagements by social network.

Reach by Month

- Breakdown by social network of the total reach by month.
- Reach is the number of individual users a post reached.



Webinars

Unique Registrants

452

Unique Attendees

199

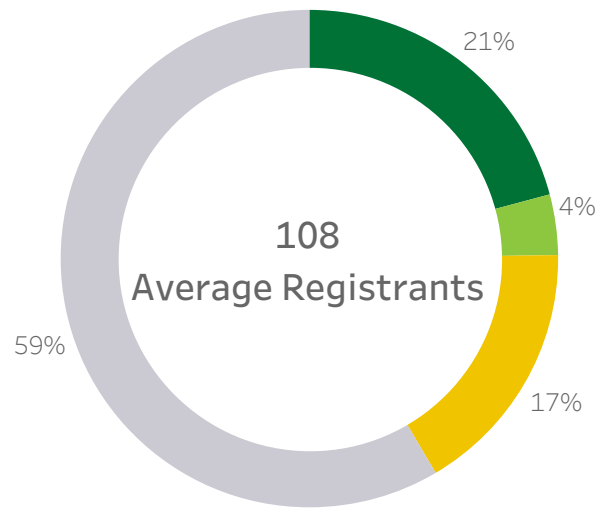
Registrant Attendance Rate

44%

Average Attendees per Webinar

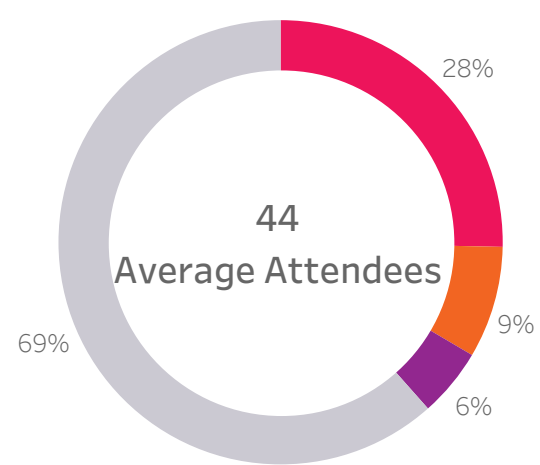
44

Registrant Breakdown



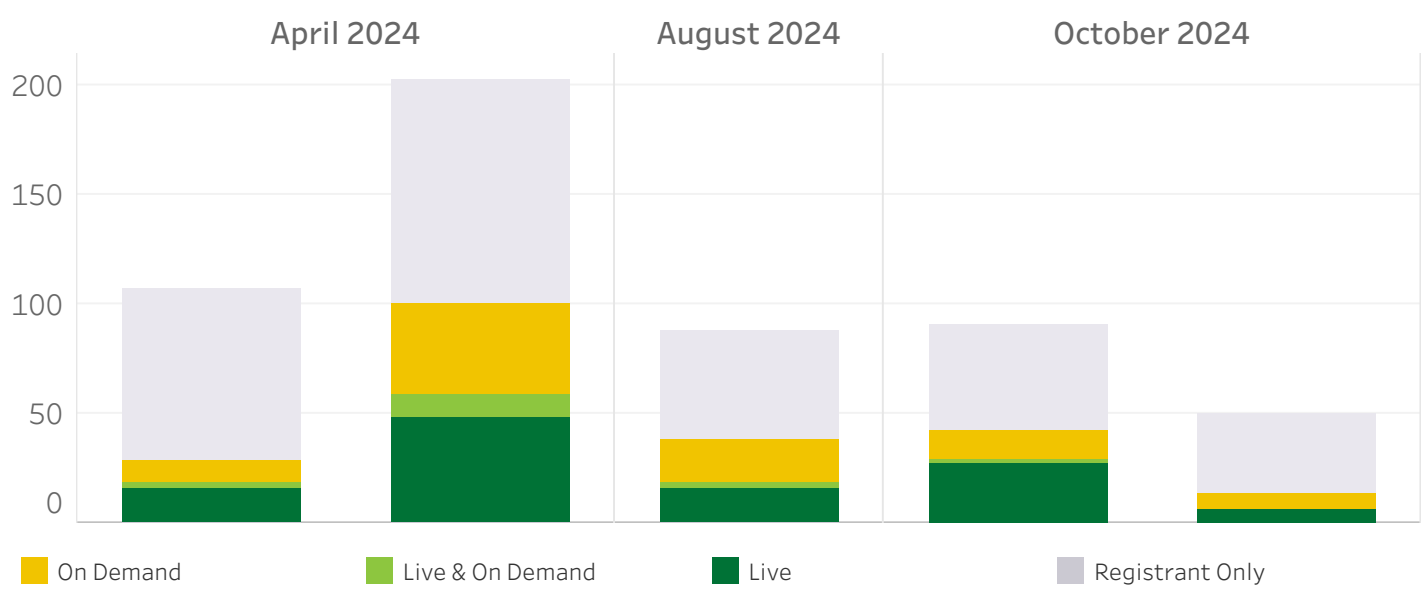
- Live
- Live & On Demand
- On Demand
- Registrant Only

Attendee Engagement Breakdown



- Answered Surveys
- Repeat Viewer
- Multiple Engagements
- Viewed Only

Registration & Attendance Analysis



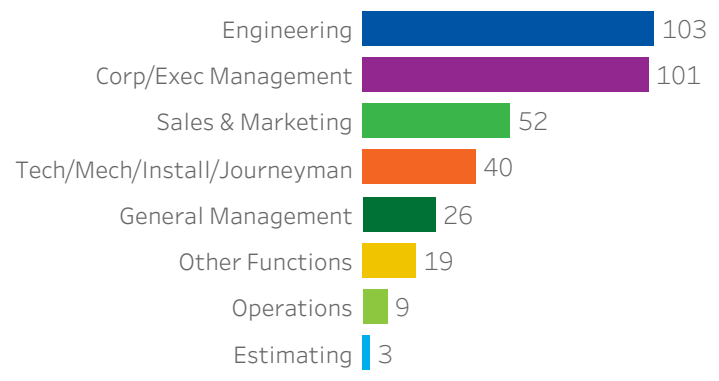
* All data is calculated from the 5 most recent webinars



Webinars - Registrant Demographics & Locations

Demographic - Job Function

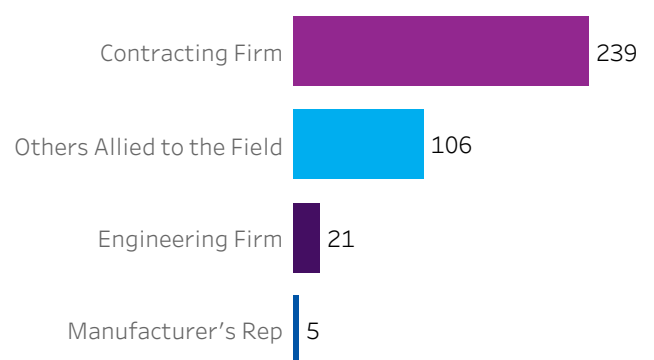
Top 8 Shown



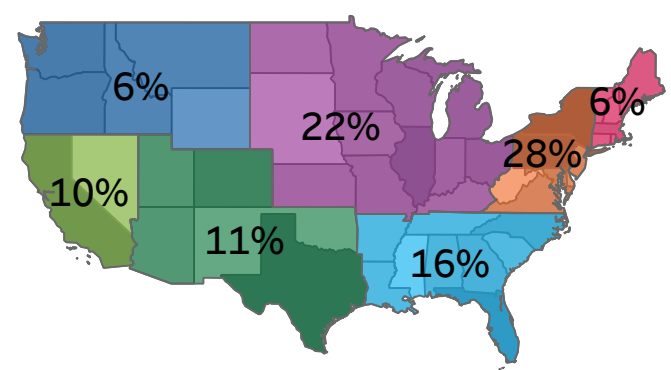
353 or 78% of registrants with responses

Demographic - Business/Industry

Top 4 Shown

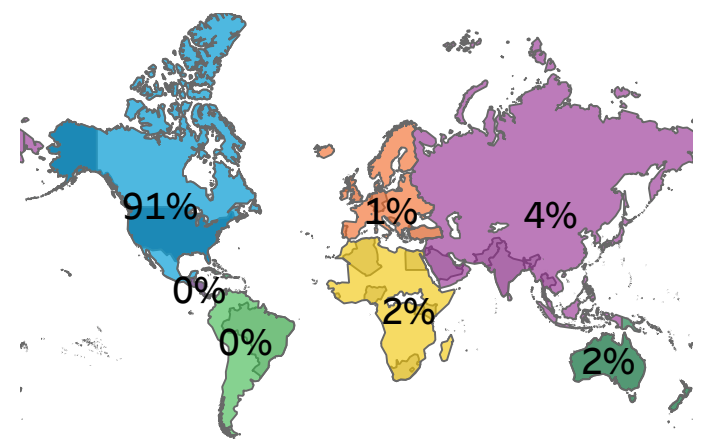
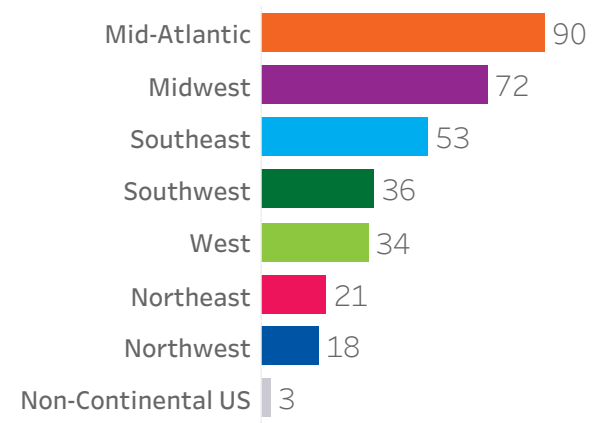


371 or 82% of registrants with responses



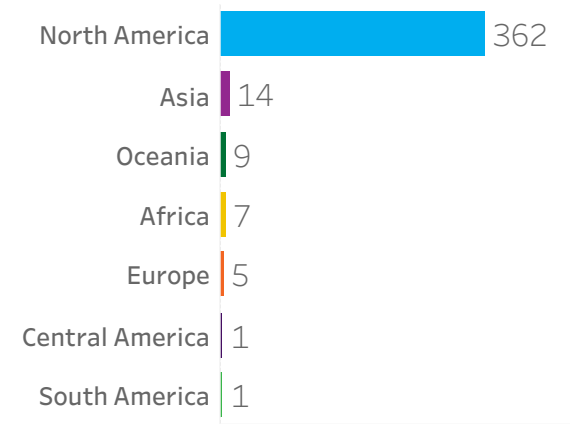
82% of registrants are located in the US

Unique Registrants by Region



18% of registrants are located internationally

Unique Registrants by Region



* All data is calculated from the 5 most recent webinars

Time Frame

3 months. If there were less than 5 webinars in the most recent 3 months, the time frame is extended (up to 1 year) to include the 5 most recent webinars.

KPIs

- **Unique Registrants:** The number of unique registrants across all webinars.
- **Unique Attendees:** The number of unique attendees across all webinars.
- **Registrant Attendance Rate:** The ratio of average attendance to average registration.
- **Average Attendees per Webinar:** The average number of attendees per webinar.

Registrant Breakdown

- **Average Registrants:** The average number of registrants per webinar.
- **Registrant Only:** Percentage of average registrants who did not attend webinar.
- **Live:** Percentage of average registrants who attended the live webinar.
- **On Demand:** Percentage of average registrants who viewed the webinar at a later date than the live webinar.
- **Live & On Demand:** Percentage of average registrants who attended the webinar live and viewed the webinar at a later date.

Attendee Engagement Breakdown

- **Attendees:** Average number of attendees per webinar.
- **Answered a Survey:** Percent of average attendees who responded to a survey question within a webinar.
- **Downloaded Documents:** Percent of average attendees who downloaded a document within a webinar.
- **Multiple Engagements:** Percent of average attendees who responded more than once and/or in more than one way, within a webinar.
- **Repeat Viewer:** Percent of average attendees who viewed a webinar several times.
- **Answered Polls:** Percent of average attendees who responded to a poll question within a webinar.
- **Viewed Only:** Percent of average attendees who only viewed a webinar.

Registration & Attendance Analysis

- Number of unique registrants and attendees per webinar, colored by the type of viewing engagement.



Time Frame

See product specific glossary page

Demographic - Job Function

- Number of customers identified by Job Functions reported.

Demographic - Business/Industry

- Number of customers identified by Business & Industry reported.

Geographic - US Regions

- **Mid-Atlantic:** Delaware, Maryland, New Jersey, New York, Pennsylvania, Virginia, Washington D.C. and West Virginia
- **Midwest:** Indiana, Illinois, Wisconsin, Minnesota, Iowa, Kansas, Kentucky, Michigan, Missouri, Nebraska, North Dakota, Ohio and South Dakota
- **West:** California and Nevada
- **Southeast:** Alabama, Arkansas, Florida, Georgia, Louisiana, Mississippi, North Carolina, South Carolina and Tennessee
- **Southwest:** Arizona, Colorado, New Mexico, Oklahoma, Texas and Utah
- **Northeast:** Connecticut, Maine, Massachusetts, New Hampshire, Rhode Island and Vermont
- **Northwest:** Idaho, Montana, Oregon, Washington and Wyoming
- **Non-Continental US:** Alaska, American Samoa, APO/FPO, Guam, Hawaii, Northern Mariana Island, Puerto Rico and U.S. Virgin Islands

Geographic - World Regional

- **North America:** Canada, Mexico and U.S.A.
- **Asia:** Continent of Asia, including Asia minor and Middle East
- **Europe:** Continental European nations (including United Kingdom and Ireland)
- **Oceania:** Australia, New Zealand and surrounding Pacific Island nations
- **South America:** Continental South American nations
- **Africa:** Continental African nations
- **Central America:** Costa Rica, Guatemala, Honduras, Panama and Nicaragua

Audience Profile Glossary

DEMOGRAPHICS APPENDIX (JOB FUNCTION)

Display Name

Included Demographics

Corp/Exec Management

Corporate/Executive Management

Engineering

Eng for Maintenance/(MRO)

Engfor Mech Systems Design/Spec

Engineering

Facility Engineering

Other Engineering

Estimating

Estimating

General Management

General Management

Operations

Operations

Other Functions

Consulting

Must Pay

Need More Information

Other

Purchasing

Sales & Marketing

Sales & Marketing

Tech/Mech/Install/Journeyman

Tech/Mech/Install/Journeyman

Audience Profile Glossary

DEMOGRAPHICS APPENDIX (BUSINESS INDUSTRY)

Display Name

Included Demographics

Architectural/Design Firm

Architectural/Design Firm

Contracting Firm

Contracting Firm

Drain & Sewer Contracting Firm

Drilling/Well Services

Facility/Maintenance Contracting

HVACR

Hydronic/Radiant Heating Contracting Firm

Mechanical Contracting Firm

Other Contracting Firm (please specify)

Plumbing Contracting Firm

Pump Installation

Sheet Metal

Solar/Thermal Contracting Firm

Engineering Firm

Consulting Engineering

Controls Contracting/Systems Integration

Electrical Engineering

Engineering Firm

Facility Engineering/In-House Eng

Mechanical Engineering

Other Engineering Firm

Systems Engineering

Manufacturer's Rep

Manufacturers Rep

Others Allied to the Field

Consulting Firm

Distributor

Educational Facility

Facility Management

Government/Military Facility

Manufacturer

Must Pay

Need More Information

Other (please specify)

Wholesaler

BNP Customer Database - omeda.com

Primary source of record for all first party customer data and activities including: Subscriber Registrations, Demographics, Physical Addresses, Business & Job Function Demographic responses, Product Subscriptions, Email Deployments, Website Visits, eMagazine Visits, Digital Edition Visits.

Usage by Report Section

Audience Profile

- **Unique Active Customers**
- **Print Magazine, Digital Edition, eMagazine:** Subscriber Counts
- **eNewsletter:** Recipients, Engagement, Sends
- **eBlasts:** Delivered, Engagement, Sends
- **Website:** Active Registrants
- **Demographics:** Job Functions & Business Industry mapped to consolidated categories as per *Demographic Mapping Reference*
- **Locations:** Locations of known customers with first party address data

Magazine/eMagazine

- **Magazine Summary:** All data
- **eMagazine/Digital Edition Summary:** Total Qualified Subscribers, Notification eMail Metrics
- **Demographics:** Job Functions & Business Industry mapped to consolidated categories as per *Demographic Mapping Reference*
- **Locations:** Locations of known customers with first party address data

eNewsletters

- **All Pages:** All data

Website

- **Known User Activity:** All data
- **User Demographics:** Job Functions & Business Industry mapped to consolidated categories as per *Demographic Mapping Reference*

eBlasts

- **All Pages:** All data

Continuing Education

- **Websites & eNews:** eNews Delivery, Activity by eNewsletter
- **Demographics:** Job Functions & Business Industry mapped to consolidated categories as per *Demographic Mapping Reference*
- **Locations:** Locations of known customers with first party address data

Events

- **Demographics:** Job Functions & Business Industry mapped to consolidated categories as per *Demographic Mapping Reference*
- **Locations:** Locations of known customers with first party address data

Webinars

- **Demographics:** Job Functions & Business Industry mapped to consolidated categories as per *Demographic Mapping Reference*
- **Locations:** Locations of known customers with first party address data

Google Analytics - google.com/analytics

Web Analytics service offered by Google that tracks and reports website traffic. Used to track all usage (known & anonymous) across websites, eMagazines, Digital Editions, Continuing Education.

Usage by Report Section

Audience Profile

- **Website:** Average Monthly Users, Average Monthly Pageviews
- **Continuing Education:** Monthly Website Pageviews

eMagazine/Magazine

- **eMagazine/Digital Edition Summary:** Issue Pageviews, Sessions, Session Duration

Website

- **Website Overview:** Website Users, Sessions, Pageviews, Top Content Topics
- **User Locations:** Website User Locations

Continuing Education

- **Websites & eNews:** Monthly Website Pageviews, All Website Visitors data

Falcon Social Media Platform - falcon.io

Single platform management and analytics for Facebook, Twitter, Instagram, LinkedIn accounts. falcon.io

Usage by Report Section

Audience Profile

- **Social Media:** Follower Count by Channel

Social Media

- **All Pages:** All data

Building Media Inc. - *buildingmedia.com*

Developer of innovative online learning management programs and e-Learning courseware built exclusively for the construction community. Hosts and manages Continuing Education Centers.

Usage by Report Section

Audience Profile

- **Continuing Education:** Active Registered Users

Continuing Education

- **Websites & eNews:** Active Registered Users
- **CE Courses & Tests:** All data

Aventri - *aventri.com*

Event Management Platform used to process registration and administration of in person, virtual and hybrid events.

Usage by Report Section

Audience Profile

- **Events:** Average Attendees per Event

Events

- **Event Overview:** All data

Intrado - *intrado.com*

Webinar and interactive media platform. Technology and administration of Webinars.

Usage by Report Section

Audience Profile

- **Webinars:** Average Registrants, Average Attendees

Webinars

- **Webinars Overview:** All data