

Element 84 designs and develops scalable software solutions that improve the world. We work with business and government to create applications and data systems that can help users solve small problems or answer big questions. Our projects include national movie streaming services, petabyte Earth science and remote sensing repositories, satellite data storage and manipulation, and multi-platform mobile application development.

Our Clients

NASA

USGS

NSF

UNESCO

USDOT

SeizureTracker

Pure Flix

What We've Done

OPeNDAP development on MODIS and ASTER satellite products for for NASA and USGS's Earth Resources Observation and Science Center (EROS).

Technical design and development of NASA's Earthdata Search, the flagship search and discovery tool for EOSDIS data.

Architecture, design, and implementation of NASA's Common Metadata Repository (CMR), a high performance, highly scalable inventory of NASA's 16 petabytes of Earth Observation Data.

Project leadership on the NASA-compliant General Application Platform (NGAP), a platform for Earth Science application and data repositories to leverage cloud native architectures and scalability.

Design and development of UNESCO's Ocean Best Practices Portal, a website and data backend for searching ocean best practices research and document metadata.

Design, development, and operations support for the Pure Flix application platform, a multi-device video streaming service focused on family-friendly movies and video content.

Why Element 84

45+ employees organized into high-caliber, Agile teams.

Deep working experience in a wide variety of development languages, application platforms, and government-compliant cloud computing.

Raytheon Subcontractor Excellence Award.

2018 NASA Mentor/Protege Award.

Authors of multiple books for various O'Reilly series'.

Winner of a Silver Addy Award

Inc 5000 award winner

Recognized thought-leaders and frequent speakers at:

AGU 2011 – 2017

ESIP 2016 – 2018

DC Lean Startup

ESA's Living Planet Symposium

EUMETSAT's PV2015 Conference

Data Science MD

2017 AWS Re:Invent

2018 AWS Public Sector Summit



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Tracey Pilone
FOUNDER AND PRESIDENT

Dan Pilone
FOUNDER AND CTO

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NAICS Codes

541511 Custom Computer Programming Services

541330 Engineering Services

541512 Computer Systems Design Services

541513 Computer Facilities Management Services

541519 Other Computer Related Services

541712 Research and Development in the Physical Engineering and Life Sciences Except Biotechnology

Contract Vehicles

GSA IT Schedule 70

Associations

AGU (American Geophysical Union)

MSBR (Maryland Space Business Roundtable)

ESIP (Earth Science Information Partners)

GCA (Goddard Contractors Association)