



## SECOND QUARTER 2020 NEWSLETTER

### Petko Vlaytchev, PE Promoted to President

In PENTA's First Quarter 2020 Townhall meeting, which was held remotely to keep employees safe and healthy during the COVID-19 pandemic, it was announced that Petko Vlaytchev, PE was promoted to President of [PENTA Engineering Corporation](#). Subhash Mohan, PE, will remain as a Director and Principal continuing to support PENTA's long term growth.

[Read more](#) about his promotion.  
Congratulations Petko!



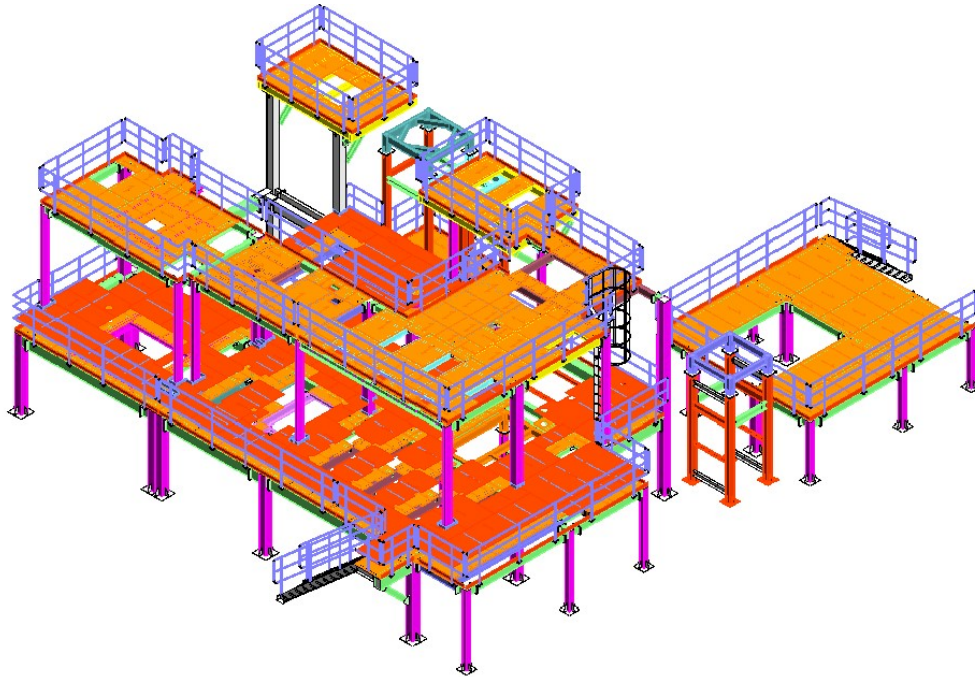
## Projects



### Hagerstown Kiln Conversion

PENTA worked with an Original Equipment Manufacturer to complete civil and structural engineering for the conversion of an existing long dry kiln to a preheater/precalciner kiln at the Holcim Hagerstown, MD plant increasing plant capacity from 1500 Mtpd to 2400 Mtpd.

[Read More »](#)



## Special Project - Modular Design for Equipment Supporting Structure

[PENTA India](#) recently completed an interesting assignment for [Buhler](#), an international OEM established in the food and packaging industry, to develop a module structure that supports an equipment system used in the food industry. Buhler fabricated modules in India with fully bolted assemblies for transport globally in standard shipping containers. The module design allowed for field erection of bolted connections.

PENTA India's scope included calculations, general arrangement drawings, fabrication drawings, erection drawings and a detailed bill of materials. All drawings, including erection drawings and the detailed bill of materials were extracted directly from intelligent software to avoid inconsistencies and mismatches during fabrication, assembly and erection. PENTA India delivered its first design package of approximately 40.0 MT steel through 550 parts drawings. Buhler fabricated, assembled and tested the model in its shop, which PENTA India witnessed for error free erection at the site. Buhler has shared its satisfaction and provided another similar opportunity to PENTA India.

[Visit Our Website](#)

## Diversification is Key

Over the last five years, PENTA has made efforts to deliver successful projects for clients in a variety of diverse markets.



## A Word From Our Clients



"PENTA's approach to cost effective engineering, procurement, and construction management solutions, their extensive knowledge from an operational standpoint, and their long-standing track record for providing outstanding services are some of the reasons Dragon decided to partner with PENTA when we upgraded our facility. I feel confident we will use PENTA as a resource for future projects."

**Ray DeGrass, Plant Manager**  
Dragon Products, Thomaston, Maine

## Sachin Chougule

I enjoyed every moment of my childhood growing up in a farming family in the village side of Maharashtra, India, located approximately 300 miles south of Mumbai. For the 10<sup>th</sup> Grade, I switched to a new school located in a nearby city. Initially, my grades were average, but despite a long waitlist, I was admitted to a prestigious academic school. Feeling lucky, I realized that this was a wonderful opportunity to further my academic journey and participate in the competitive world.



I scored higher grades than required in the 12<sup>th</sup> Grade Board exams, which is essential in India to be admitted to a reputable college. I was accepted to a Civil Engineering School. After graduating, I was admitted to a Tier-1 engineering university in Mumbai for a Master Degree in civil engineering with structural engineering subjects at full scholarship.

After completing my coursework, I started my professional career working for EPC companies.

Aker Solutions, a conglomerate in the Petrochemical Industry, was my first employer wherein I engineered three Polypropylene plants in a team member role and two Purified Terephthalic acid (PTA) plants in a lead role. This organization groomed me to work in a larger scope by exposing me to international standards.

I moved on to Ausenco where I engineered many energy projects, mining plant projects, mineral processing plants and industrial plants. One special project I worked on was for the seismic evaluation and rehabilitation of school buildings per FEMA in Vancouver, Canada.

Thereafter I worked for six years as an entrepreneur and independent engineering consultant, serving many other EPC companies located in Mumbai, including PENTA. During this time of my professional career, I learned the many aspects about operating a business which helped me establish a long term attitude to treat all tasks as projects, and to start working on those projects myself to establish the determined course to satisfy expectations.

At first, when I joined PENTA in 2008, I worked on the engineering of cement projects that included reviews of Heidelberg and Dangote projects in Africa. As part of the team, we delivered two grinding unit and several CAPEX projects.

I am pleased to say that PENTA has engaged me as General Manager of

PENTA India, which allows me to utilize my experience and skills to better myself every day. With an excellent team, kind support and motivation from all my friends at PENTA, I'm certain that we can successfully establish ourselves in a diversified client portfolio.

I assure my best possible continued dedication to make this journey wonderful.

After 20 years of diversified experience, I feel great & rewarded to be a part of the PENTA family and thankful to everybody who has trust in me.

---

## Chengyi Ma

Growing up in Shanghai, the largest city in China, I was lucky to work and study under one of the best high school programs, where I gained huge interest in STEM (science, technology, engineering and mathematics) majors. And I chose “mechanical engineering” as my major at the college level.

After graduation, I was fortunate to get an offer from a graduate school in the US to pursue further research. This was an outstanding opportunity where I was trained by several professors (one of them had worked for NASA) with the most up to date knowledge in fluid dynamics, which can be applied to a lot of mechanical components such as pneumatic & hydraulic systems. I obtained my Master degree in 2008 within 1.5 years.

Prior to joining Penta, I spent almost 10 years in different manufacturing facilities gaining significant hands-on industrial experience. A lot of the work was related to maintenance and processing. PENTA Engineering is the first company where I have been able to apply my hands-on experience and theoretical knowledge. The outstanding and amazing design group of talented engineers is really helping me advance in my career.



Interested in joining our team?

**PENTA Careers**

**New Employees**



## **Tom Whittley**

Tom Whittley has joined PENTA Engineering as a BIM Manager. He is skilled in Revit, AutoCAD, Computer-Aided Design (CAD), IT Infrastructure Management and Windows Server.

---

## **Sashank Srinivasan**

Following an internship at PENTA Engineering last year, Sashank Srinivasan has been hired as a full-time Electrical Engineer. Sashank was chosen from many other applicants because of his knowledge in Power Systems and Short Circuit Analysis; he also had previous heavy industrial experience. Sashank has received a Masters' degree in Electrical Engineering from Wayne State University in Detroit.



## **Meghashyama A**

Mr Meghashyama has been hired by PENTA India as a Senior Engineer - Civil & Structural. He has 8 years' experience in designing various buildings for cement manufacturing facilities, such as - Raw mill, Preheater, Clinker cooler, cement mill, VRPM, Mill Feed, limestone storage shed, conveyors, transfer towers and packing plant. He holds a Master of Technology (M. Tech) degree in structural engineering from JNTU College of Engineering, Anantapur. Andhra Pradesh, India.

---

## **Haribansh Ram B**

Mr Haribansh Ram has been hired by PENTA India as a Principal Engineer – E & I. He has 8 years of experience in the fields of Cement, Pulp Plant, Power Transmission & Distribution Substations (GIS & AIS Substations), Oil & Gas Industrial Projects, Utilities & Infrastructure Projects. He has also worked in many Major Project activities like Isometric piping drawings & Small Power, Lighting Distribution SLD for Larsen & Toubro Limited & "OFFSHORE ENTERPRISES



(INDIA) LIMITED” 26 WPP Well platforms, For  
“ONGCL India.He holds Diploma in Electrical  
Engineering from K.J. Somaiya Polytechnic,  
Vidyavihar Mumbai (India).

## PENTA Bulletin



Christian Benavides obtains  
Contractor Licenses in the Midwest  
expanding PENTA Industrial  
Corporation's licensing.



Vari Vasishta obtains OSHA  
certification. PENTA has a strong  
safety culture and ensures staff  
have required OSHA training and  
MSHA training. [Read More](#)

PENTA celebrated the work anniversaries of **Melody Vernon**, **John Wigger**, and  
**Tom Boutaugh**.



Something you'd like to see in the next issue? Email us at [busdev@penta.net](mailto:busdev@penta.net)



Copyright © 2020 PENTA Engineering Corp. & PEC Consulting Group, All rights reserved.

Want to change how you receive these emails?  
You can [update your preferences](#) or [unsubscribe from this list](#).