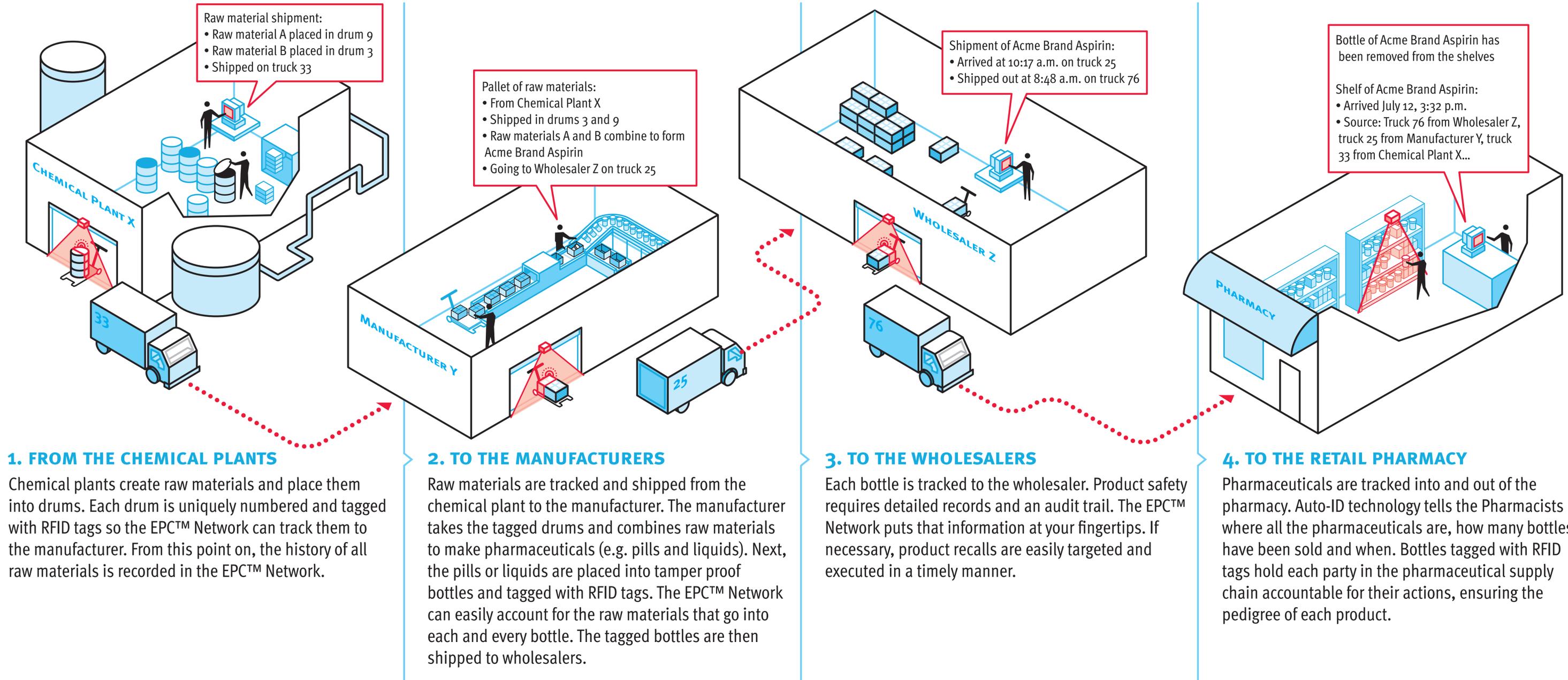


The pharmaceutical supply chain is a complex one. Not knowing the process by which pharmaceuticals make their way to pharmacy shelves can lead to risk in counterfeit products. Auto-ID technology helps manage this risk and maintain pedigree by tagging pharmaceuticals and product packaging with radio frequency identification (RFID) tags each possessing a unique EPC[™]. This allows products to be tracked, traced and recalled if necessary.



THE EPC[™] NETWORK: HOW DOES IT WORK?

With the new EPC[™] network, manufacturers, distributors and retailers will be able to track and trace items automatically throughout the supply chain. Here's how it works:



The Auto-ID Center | www.autoidcenter.org | ©2003 XPLANE.com[®]

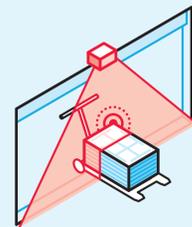
THE RFID TAGS

An Electronic Product Code (EPC[™]) is embedded into microscopic "smart tags" and attached to an item's packaging (e.g. drums or bottles). These tags allow the items to be tracked in a completely automated, cost-effective fashion.



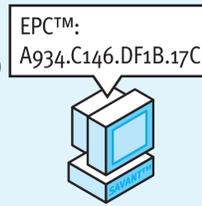
THE READERS

Radio Frequency Identification (RFID) readers can scan each smart tag and send the item's EPC[™] to a computer running Savant[™].



SAVANT[™]

Savant[™], middleware that connects the Auto-ID Network, queries an Object Name Service (ONS) database.



ONS SERVER

The ONS maps the EPC[™] to a URL where all of the item's information is stored using Physical Markup Language (PML).



PML SERVER

The PML server contains information about the item itself, its manufacturing shipping and other related data.

